



**Client:**

**Attorney/Agent:** J. M. Hammond  
**Date Completed:** June 23, 2003  
**Client Docket:** ~~JLH-20~~ MPAS34  
**Draftsman Docket:** A3023JMH  
**Sheets:** 55  
**Figures:** 86  
**Art Group:**  
**USPTO S.N.:**

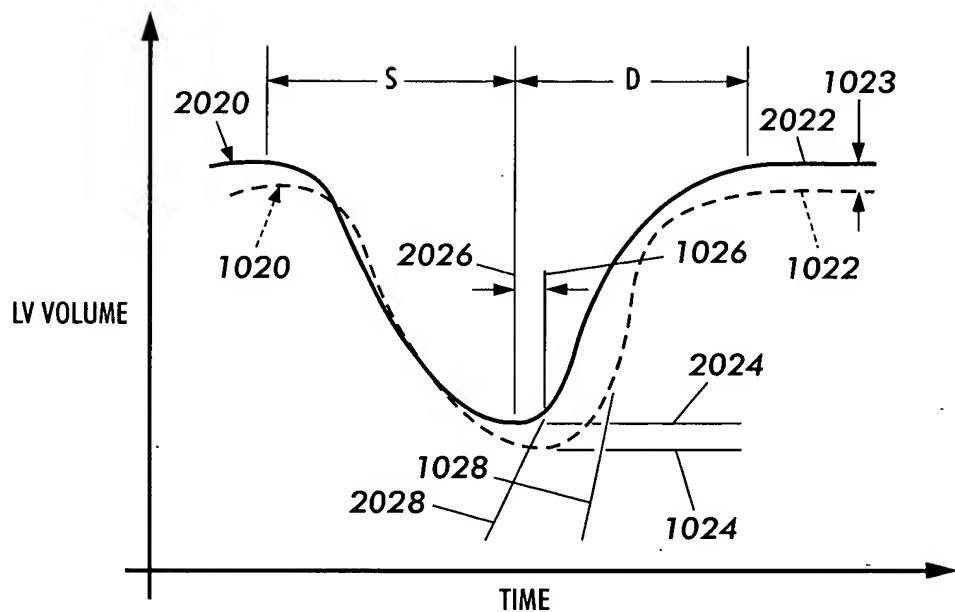


FIG. 1A

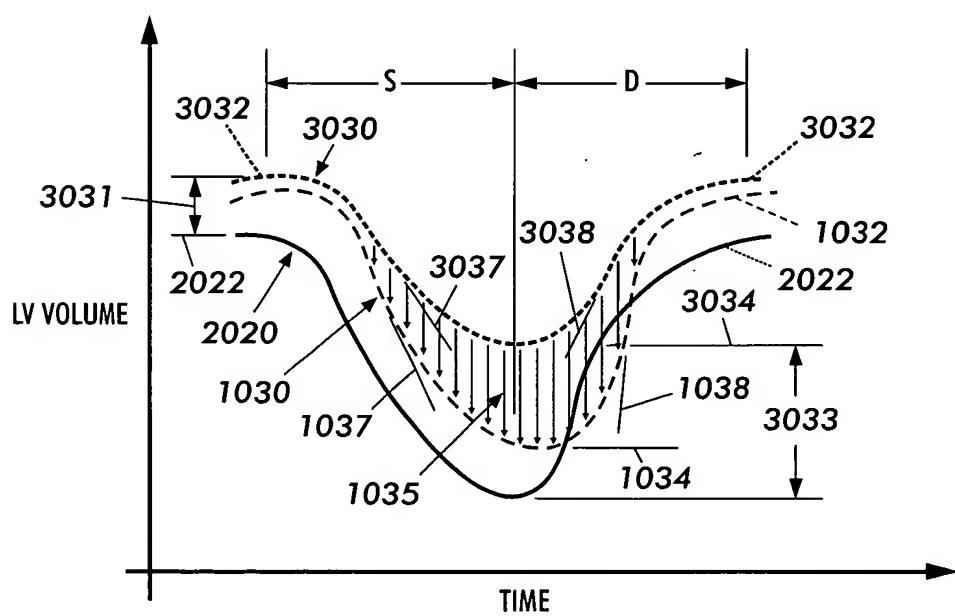


FIG. 1B

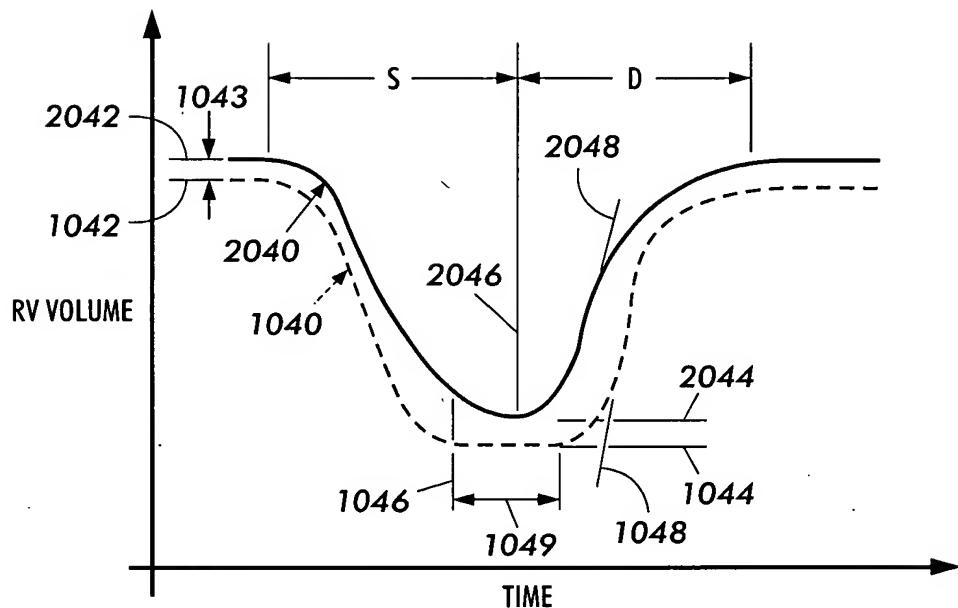


FIG. 1C

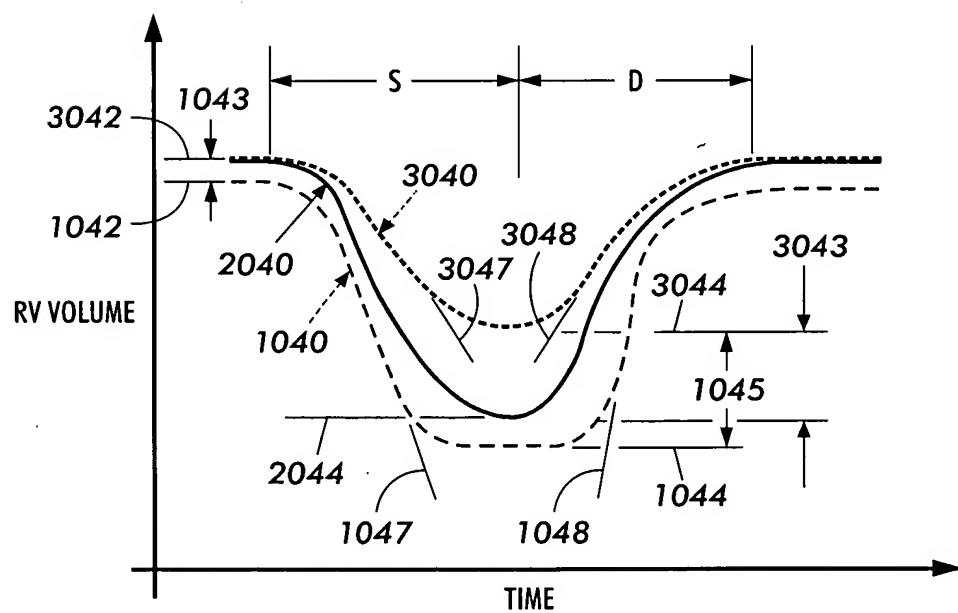
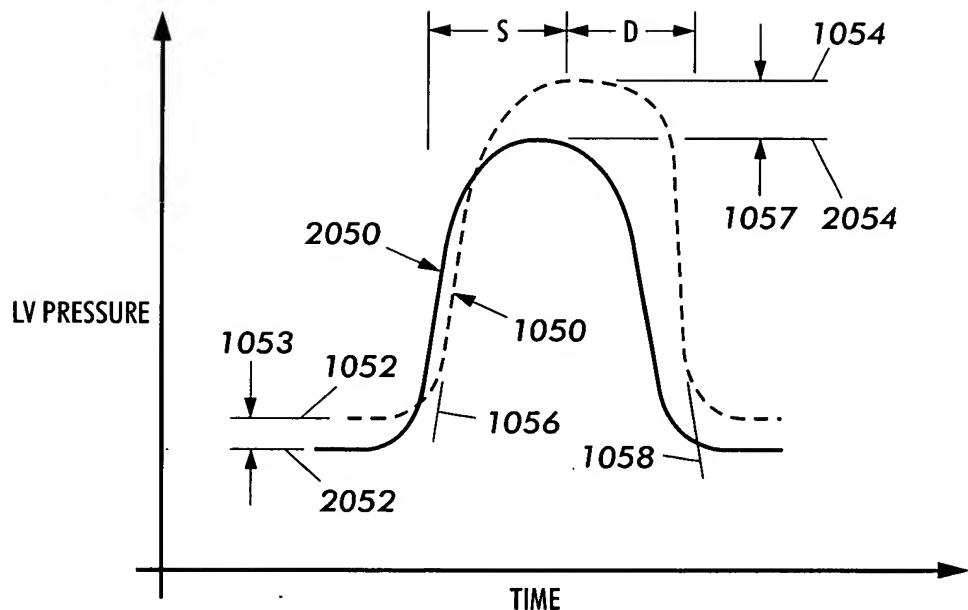
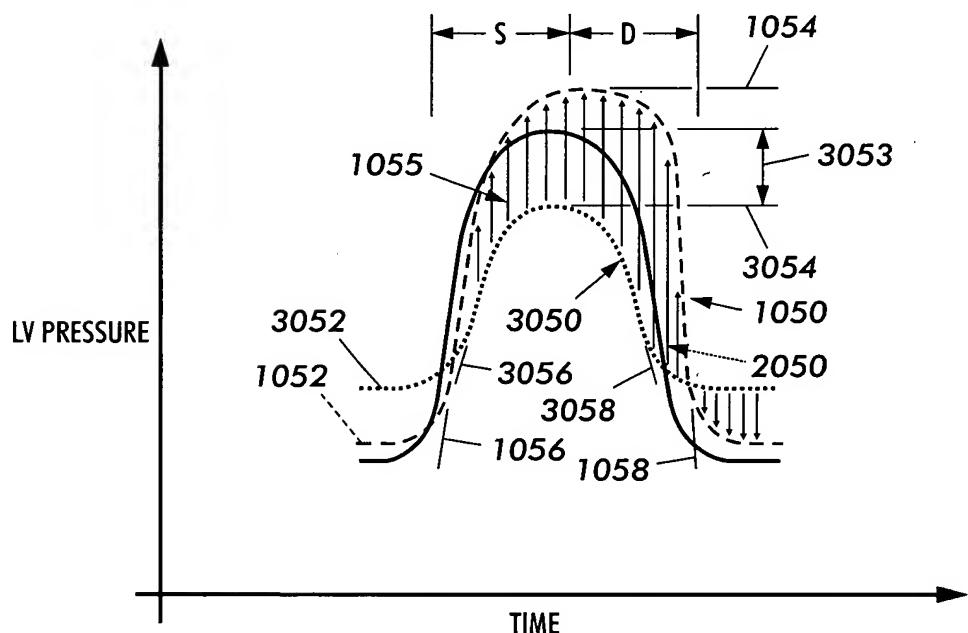


FIG. 1D

3/55

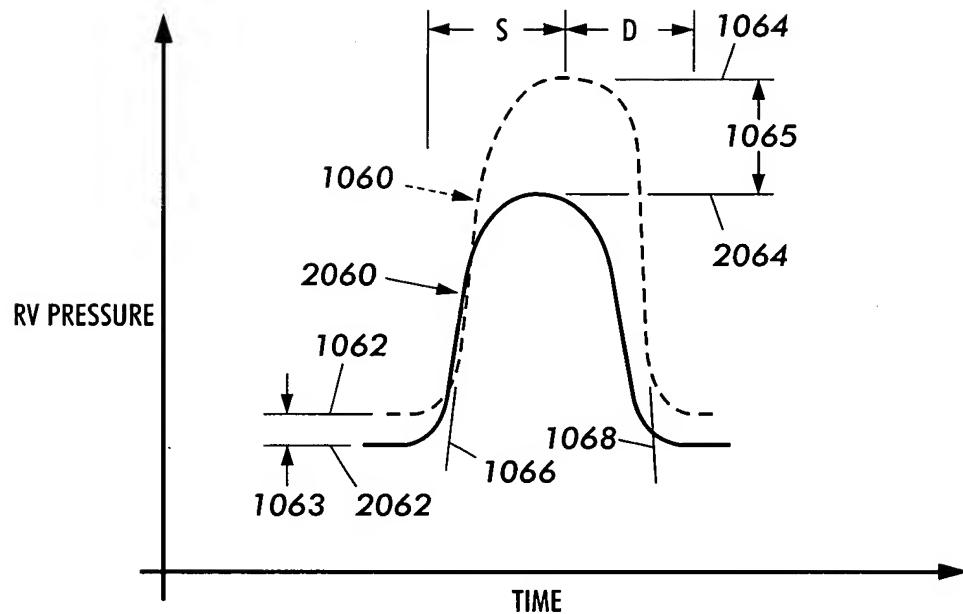


**FIG. 1E**

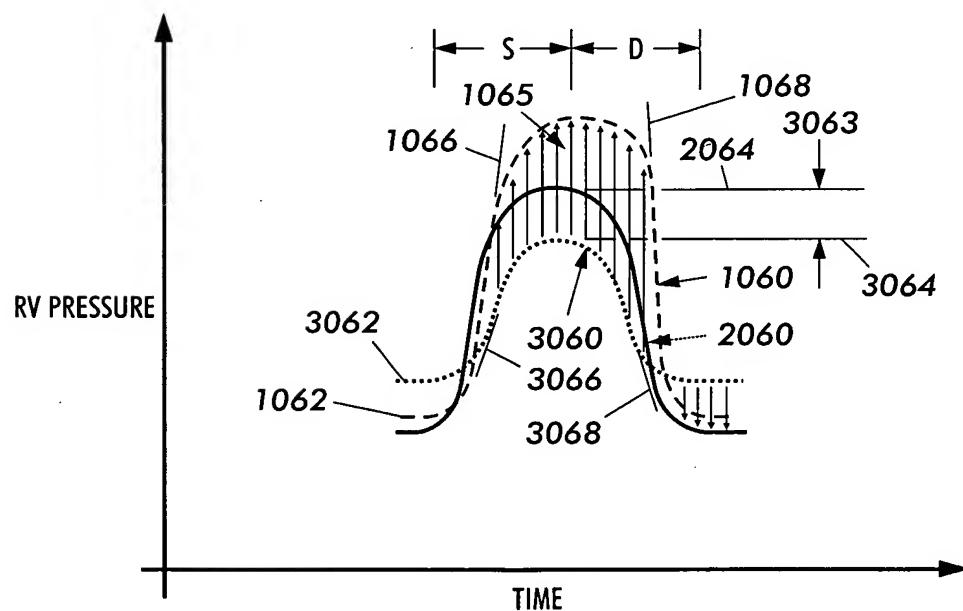


**FIG. 1F**

4/55

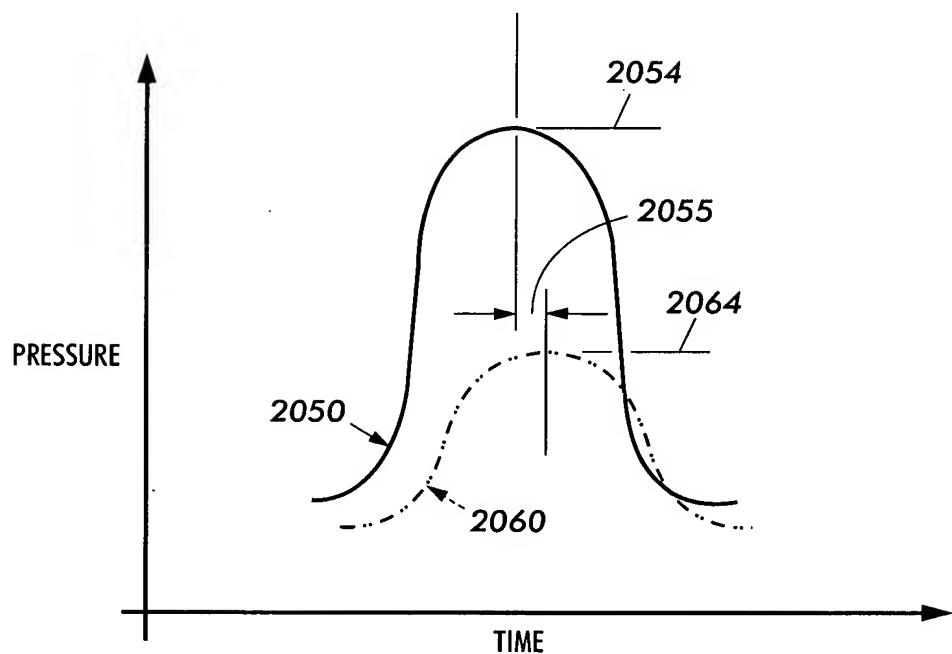


**FIG. 1G**

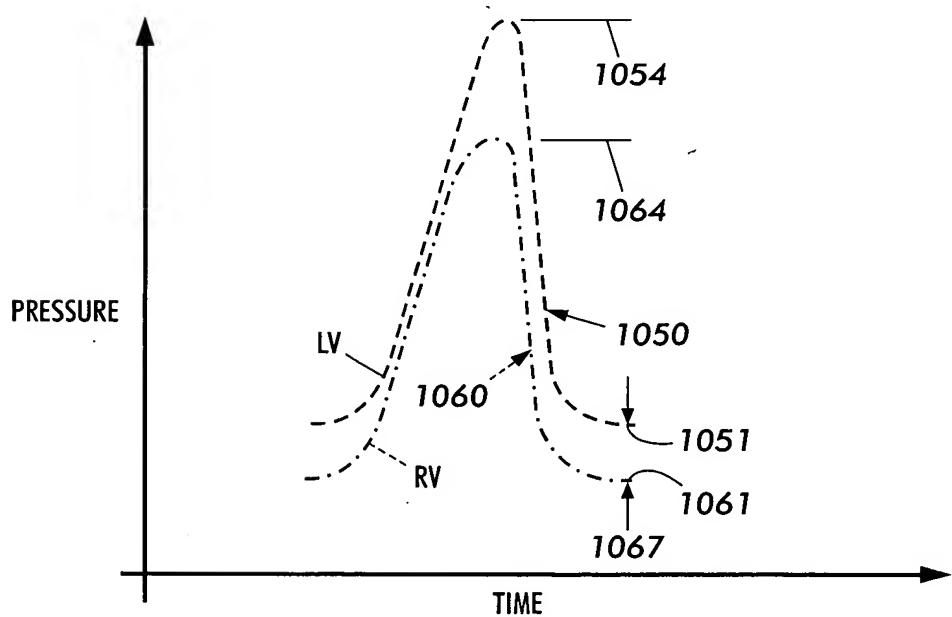


**FIG. 1H**

5/55

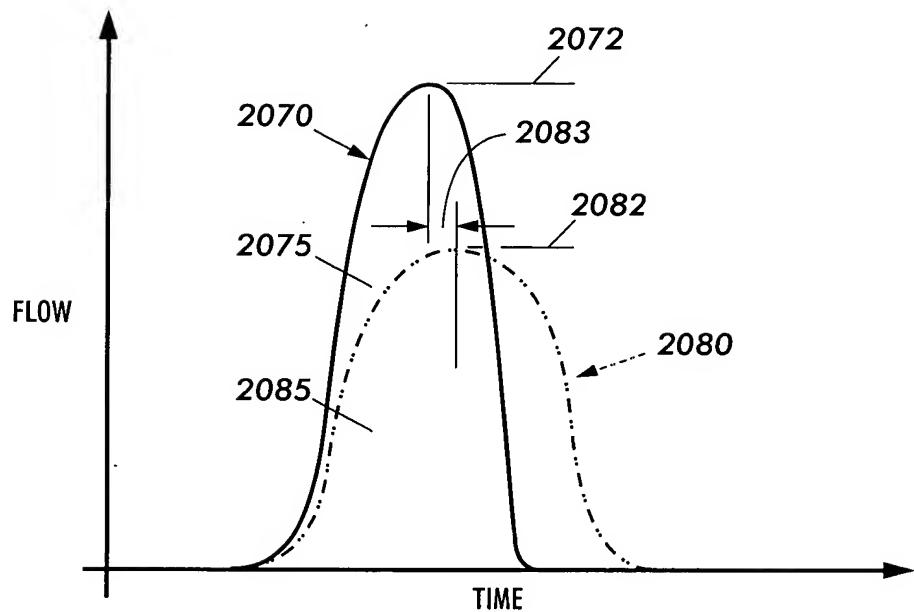


**FIG. 1I**

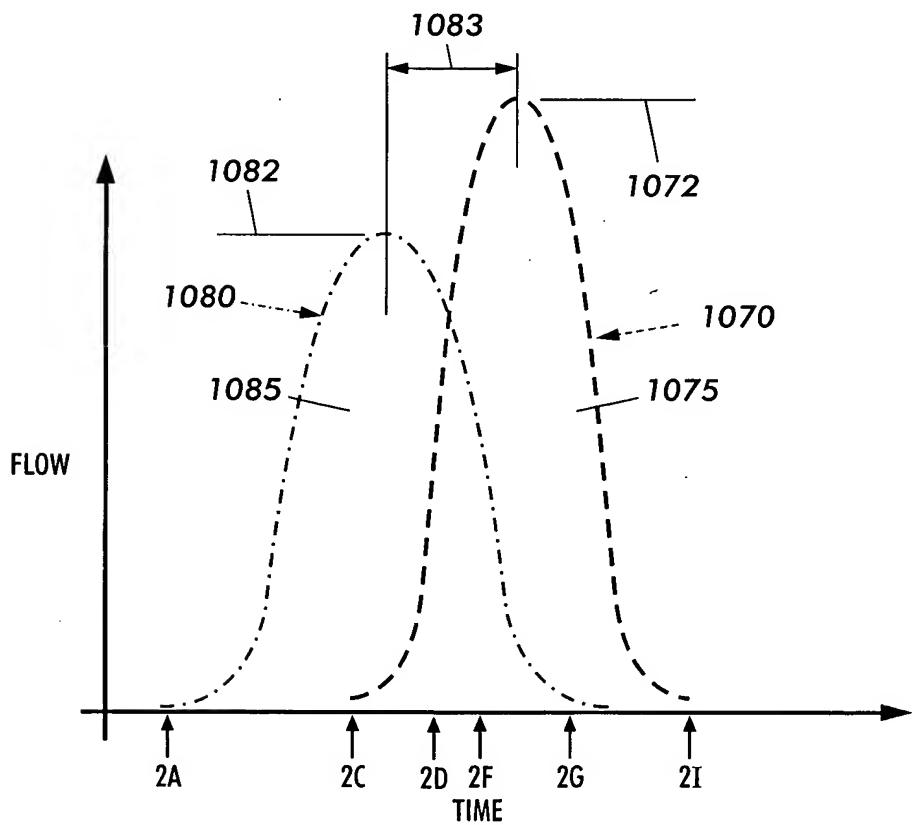


**FIG. 1J**

6/55



**FIG. 1K**



**FIG. 1L**

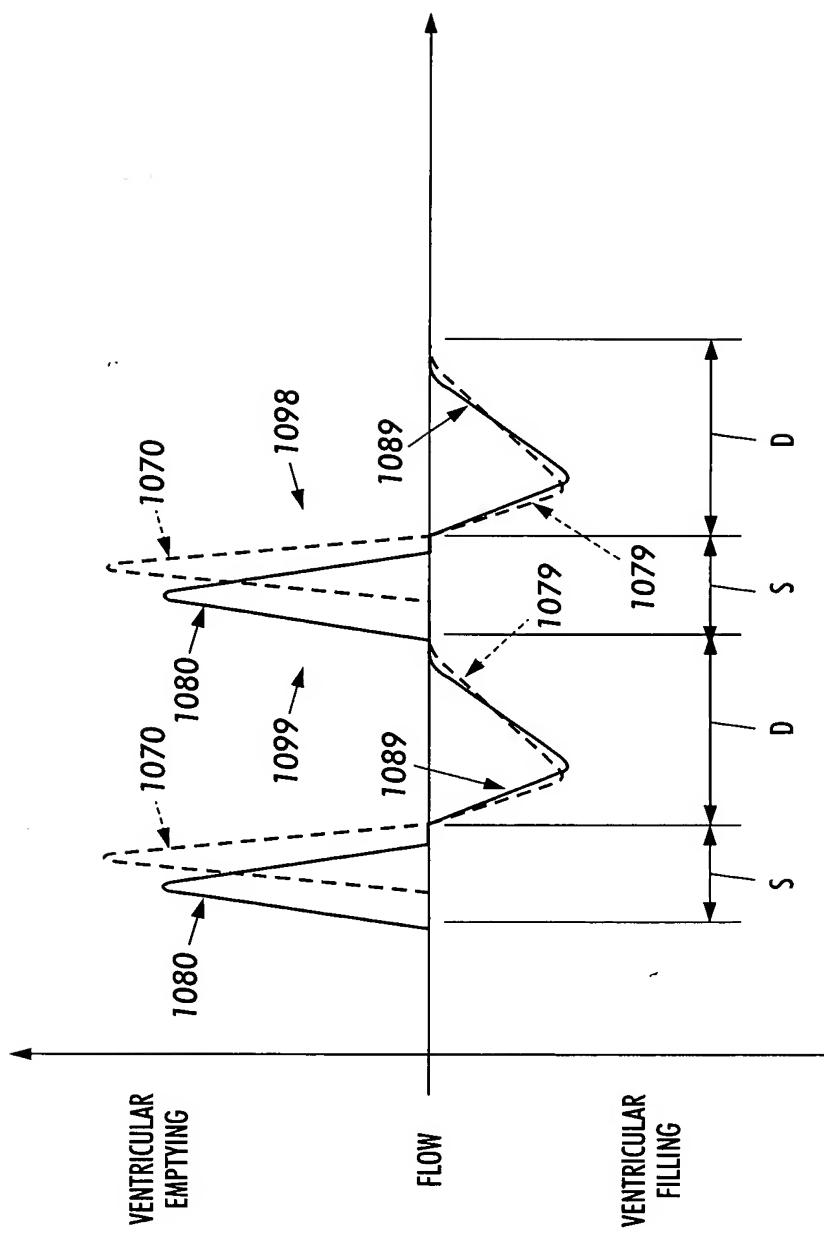
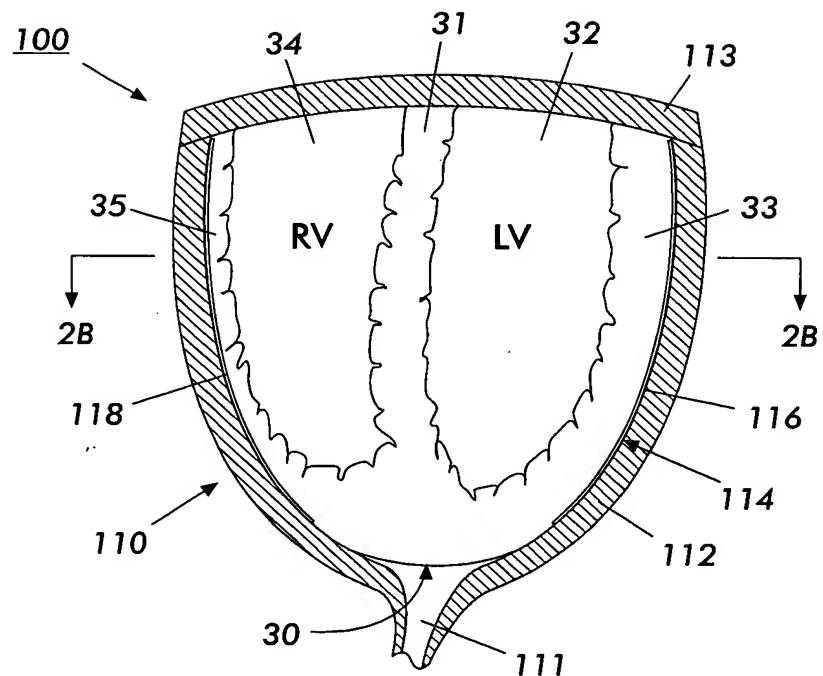
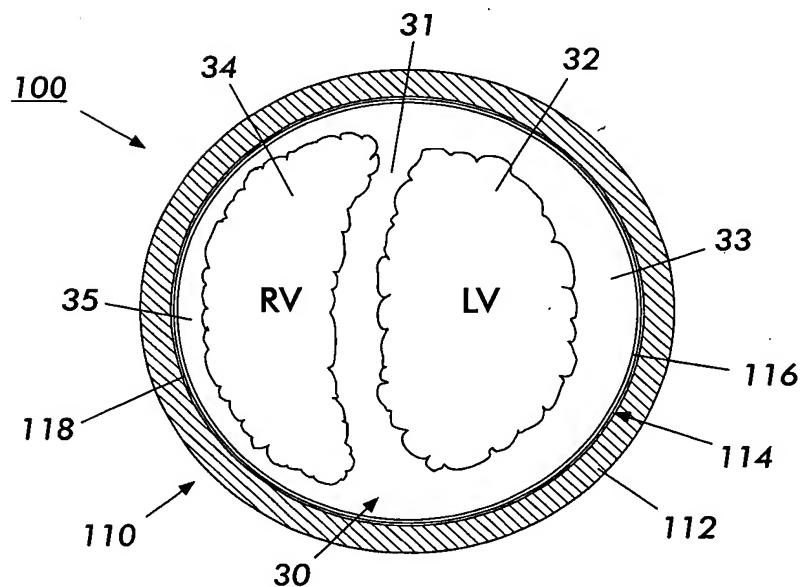


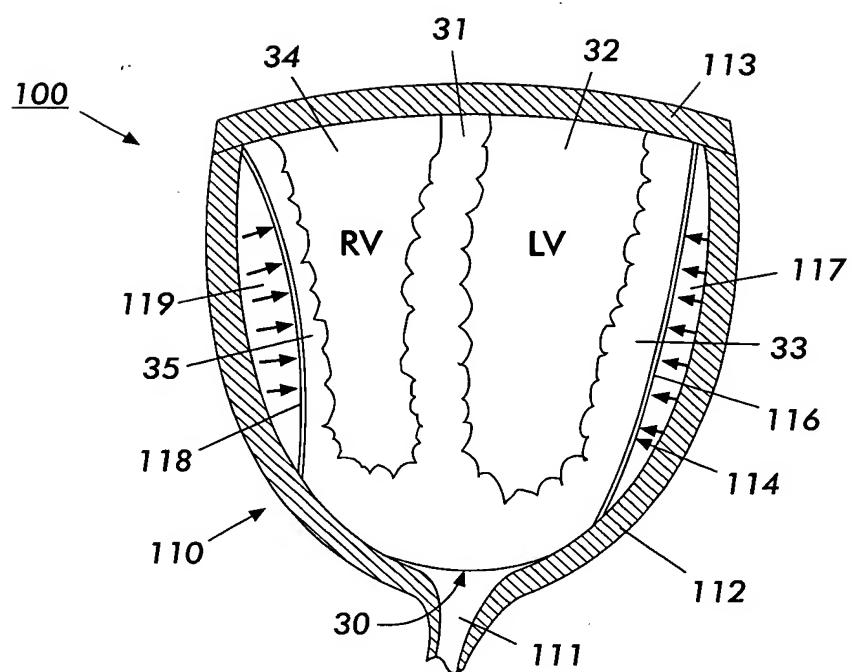
FIG. 1M



**FIG. 2A**

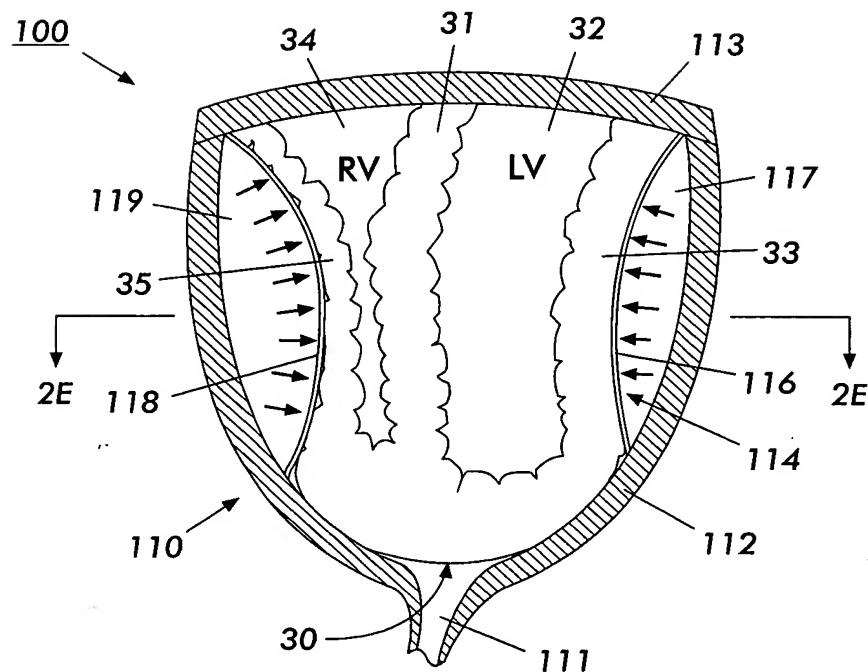


**FIG. 2B**

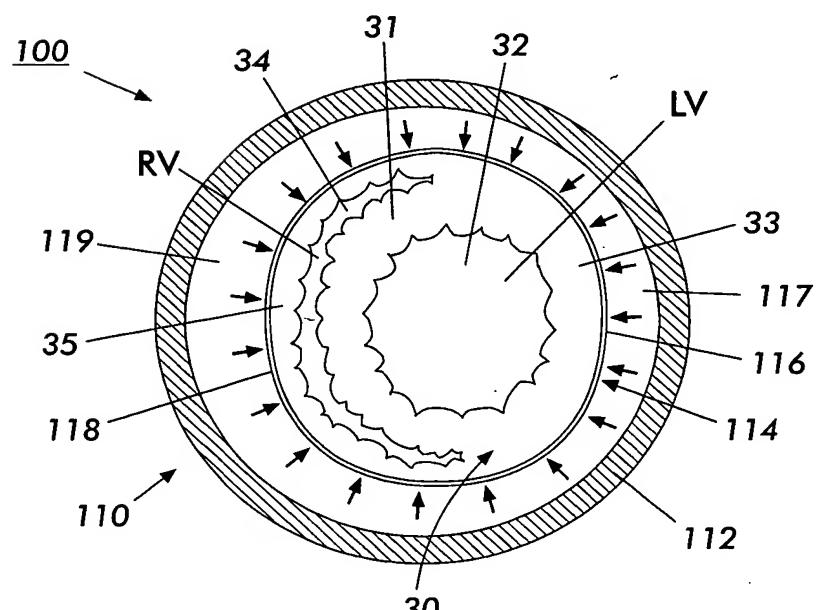


**FIG. 2C**

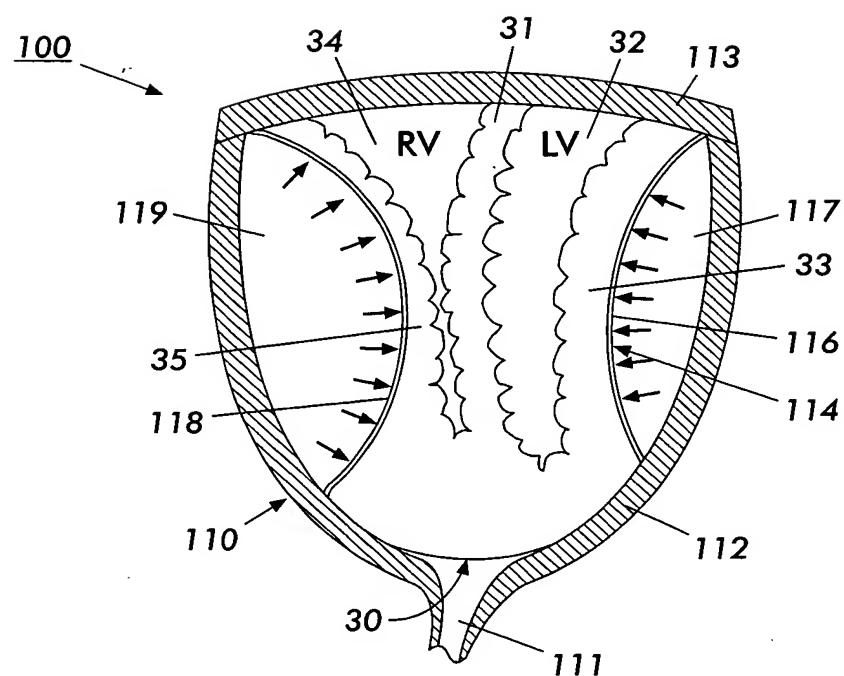
10/55



**FIG. 2D**

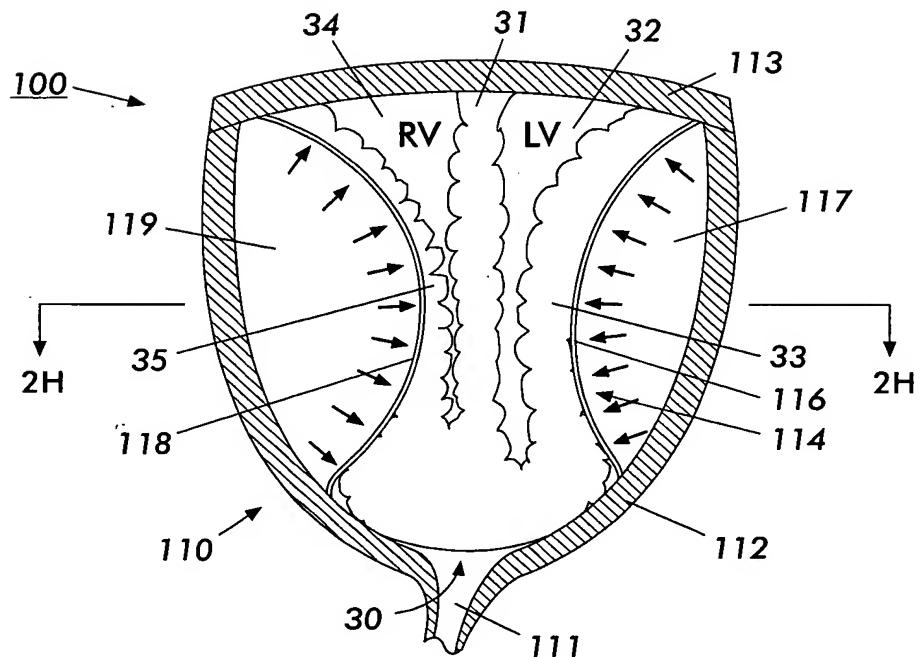


**FIG. 2E**

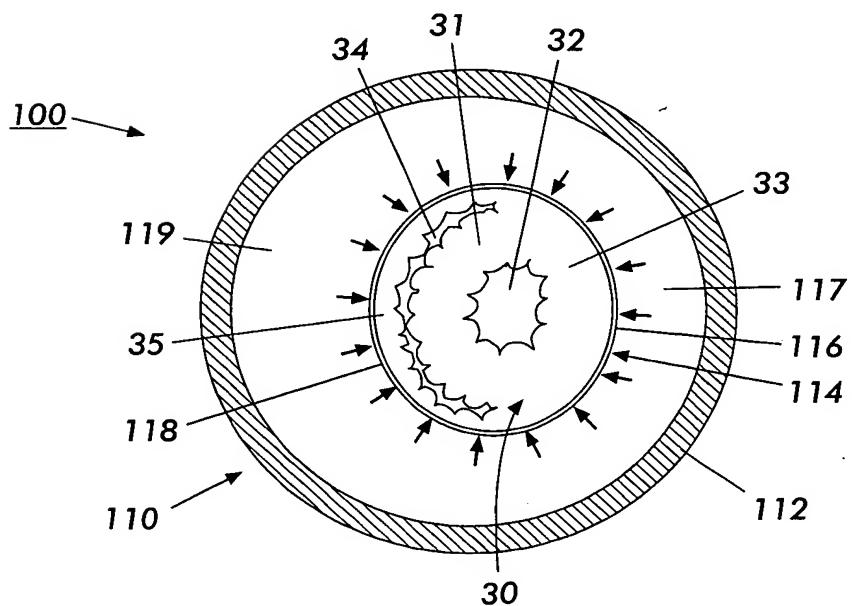


**FIG. 2F**

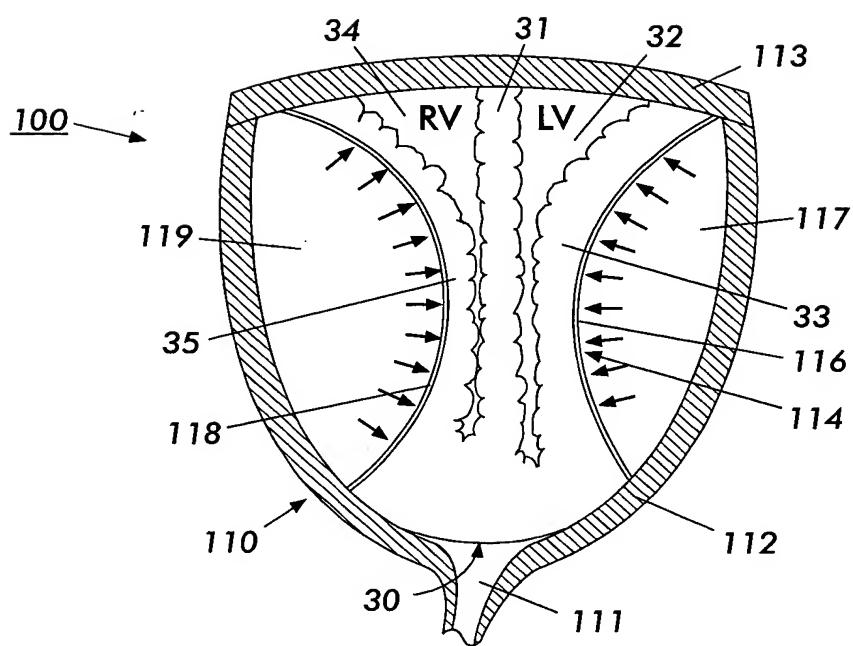
12/55



**FIG. 2G**

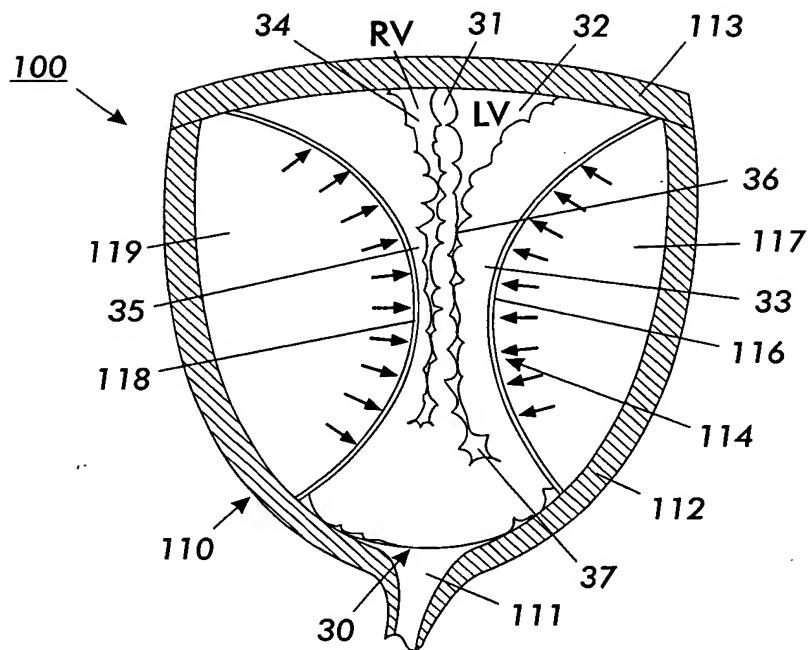


**FIG. 2H**

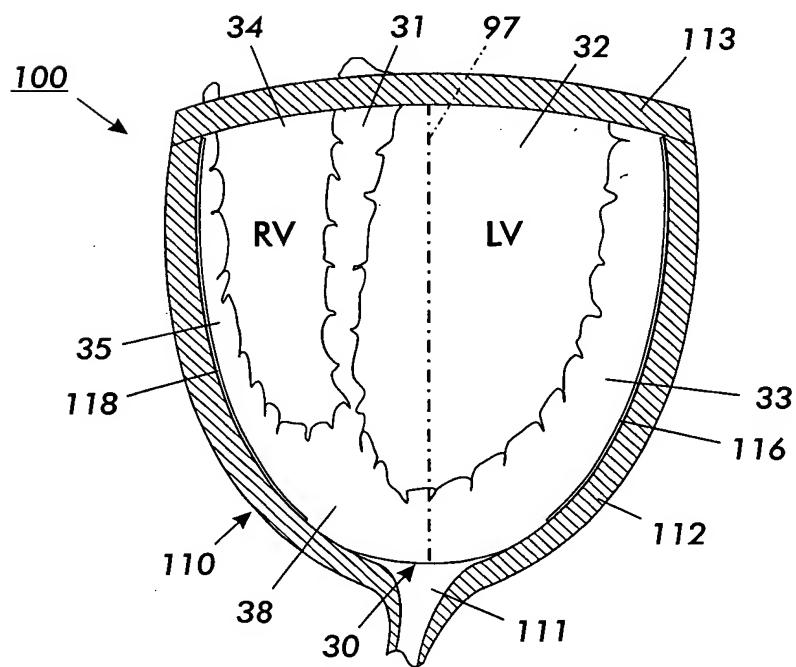


**FIG. 2I**

14/55

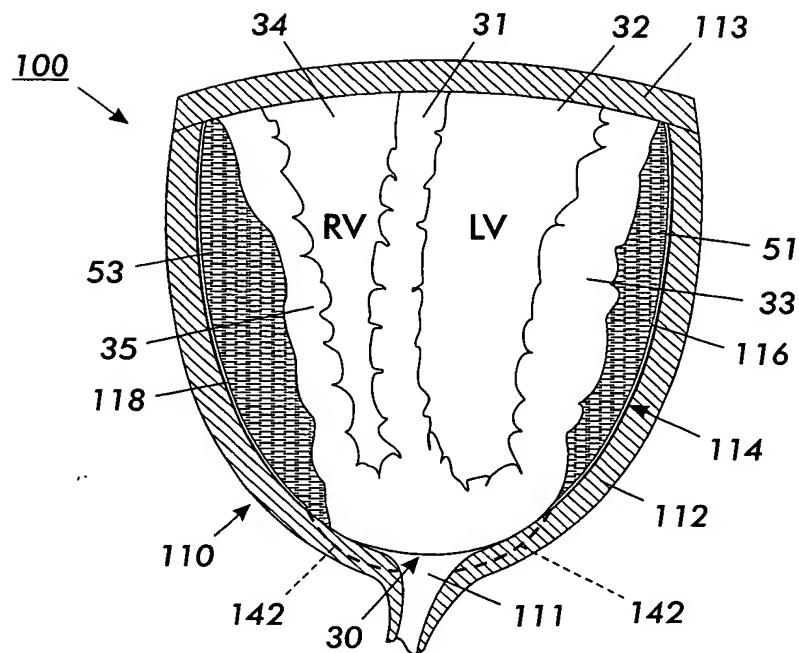


**FIG. 2J**

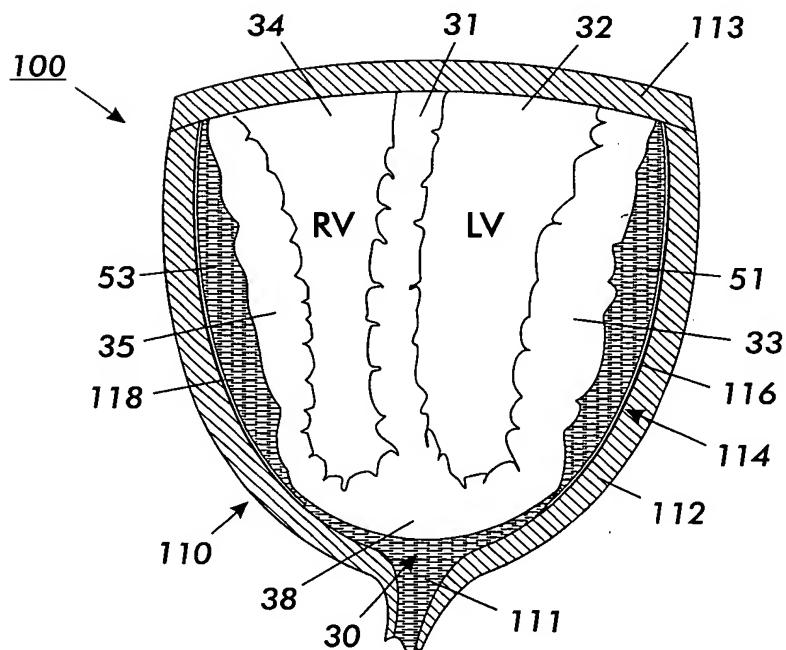


**FIG. 2K**

15/55

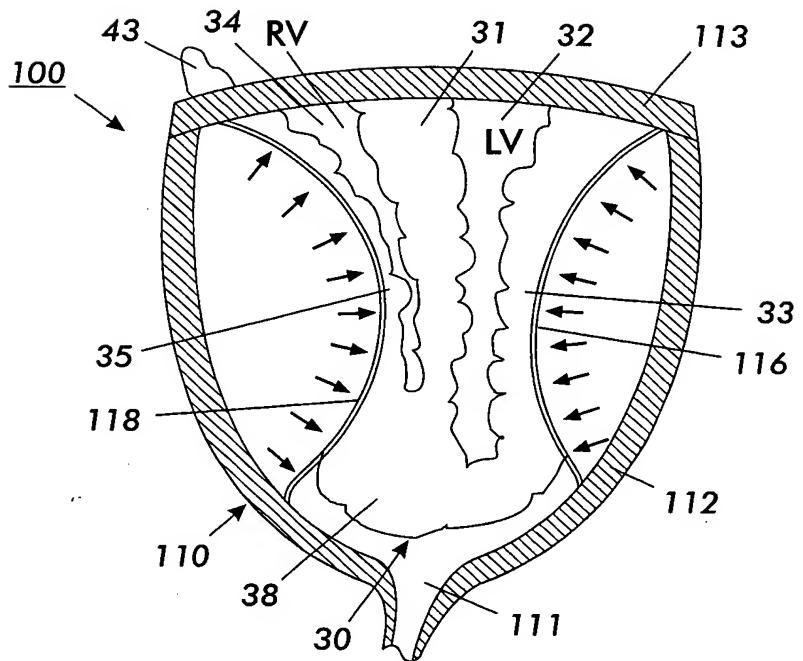


**FIG. 2L**

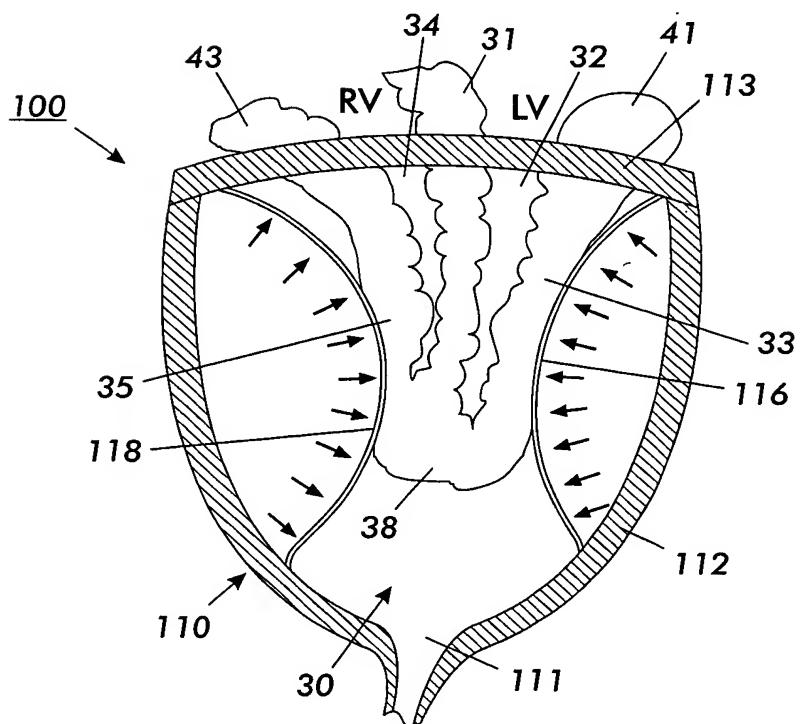


**FIG. 2M**

16/55

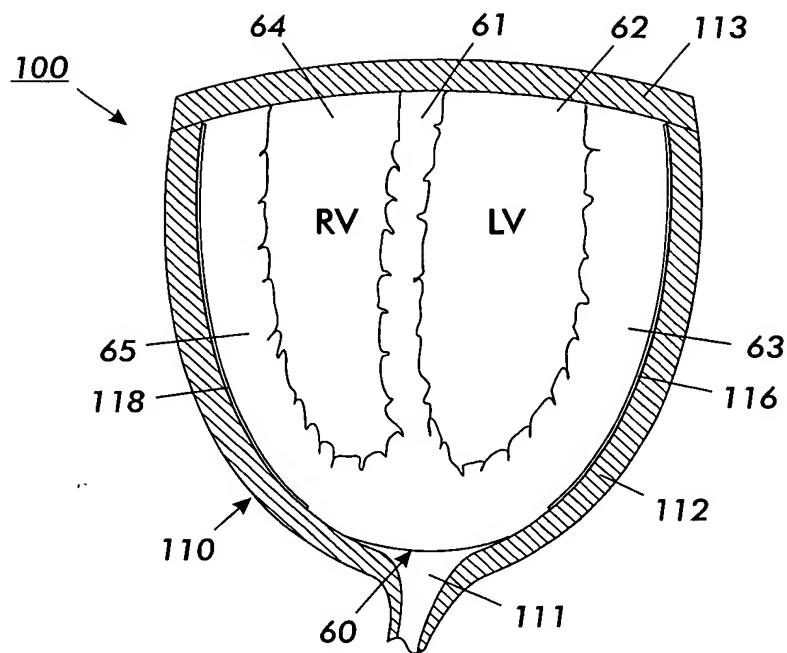


**FIG. 2N**

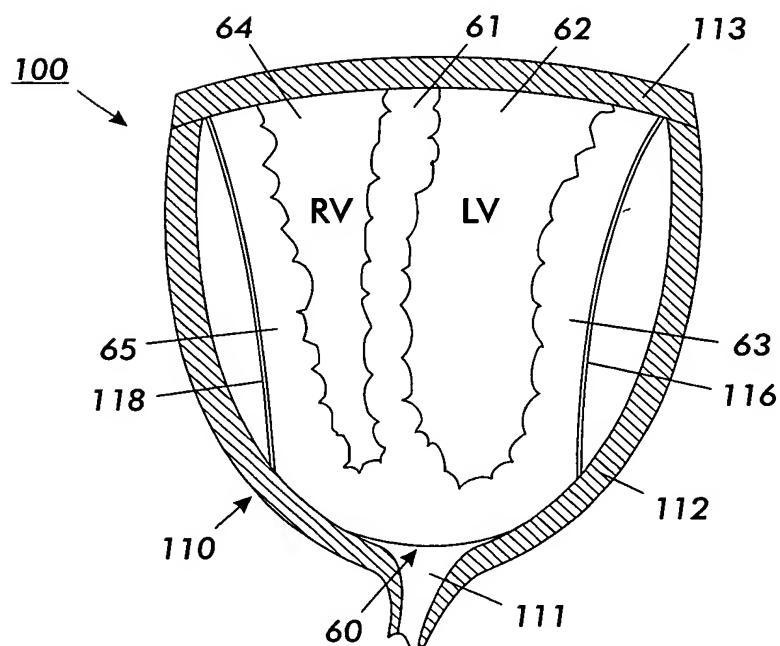


**FIG. 2O**

17/55

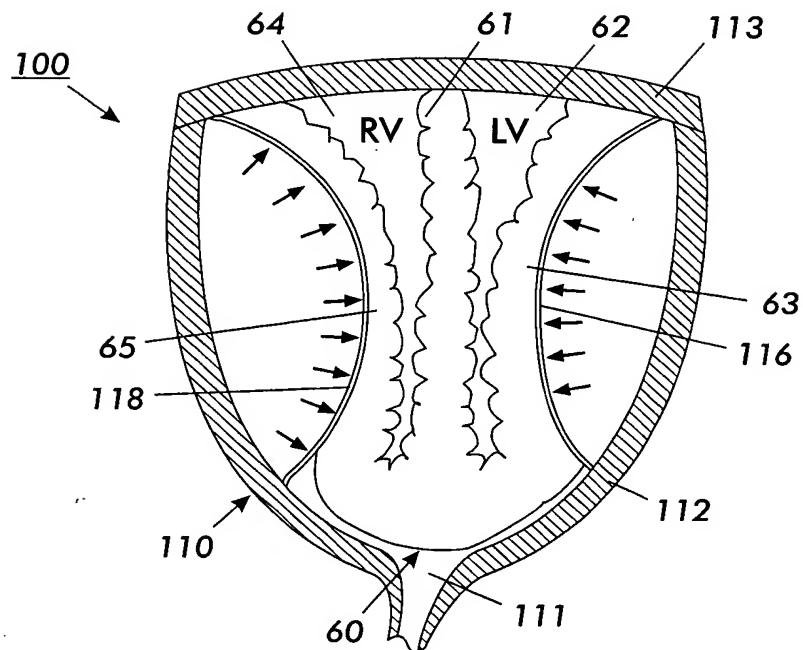


**FIG. 2P**

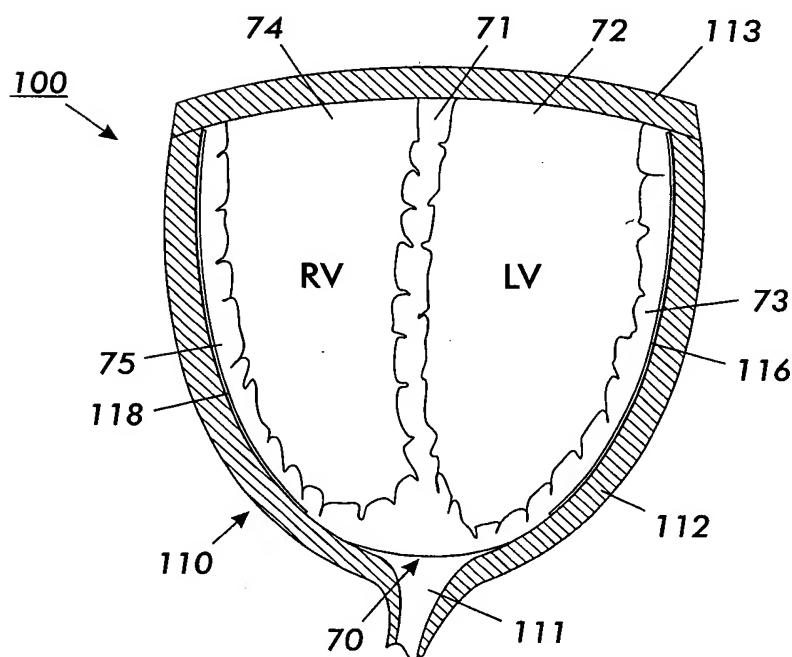


**FIG. 2Q**

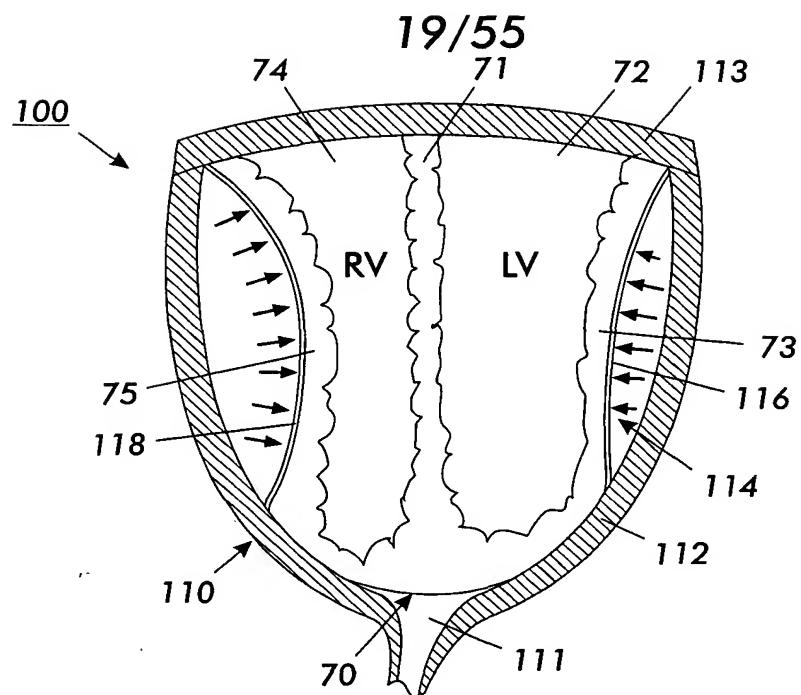
18/55



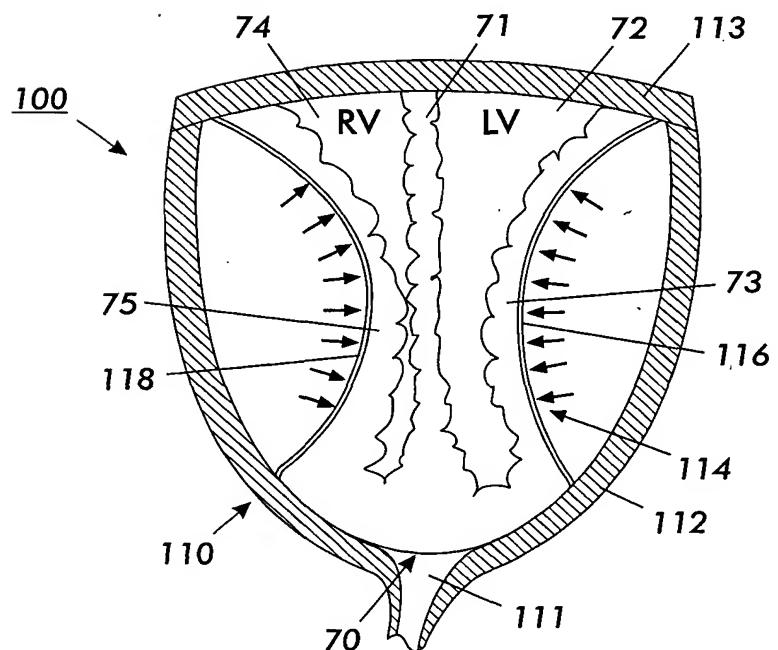
**FIG. 2R**



**FIG. 2S**

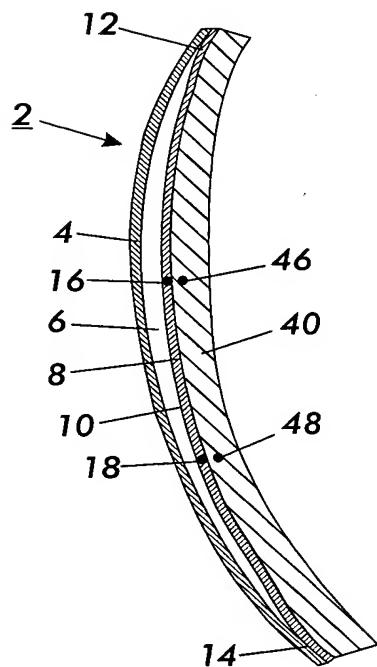


**FIG. 2T**

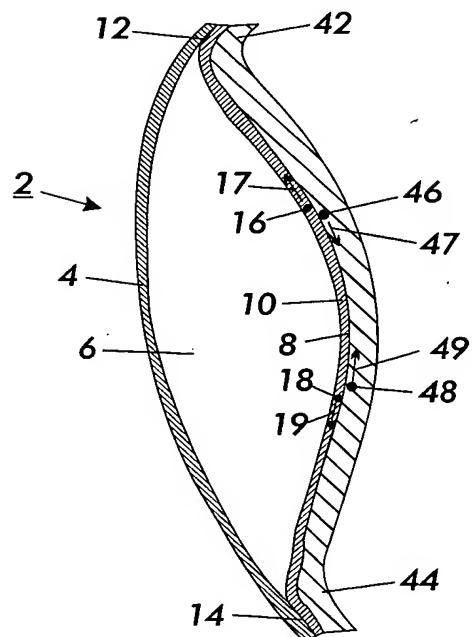


**FIG. 2U**

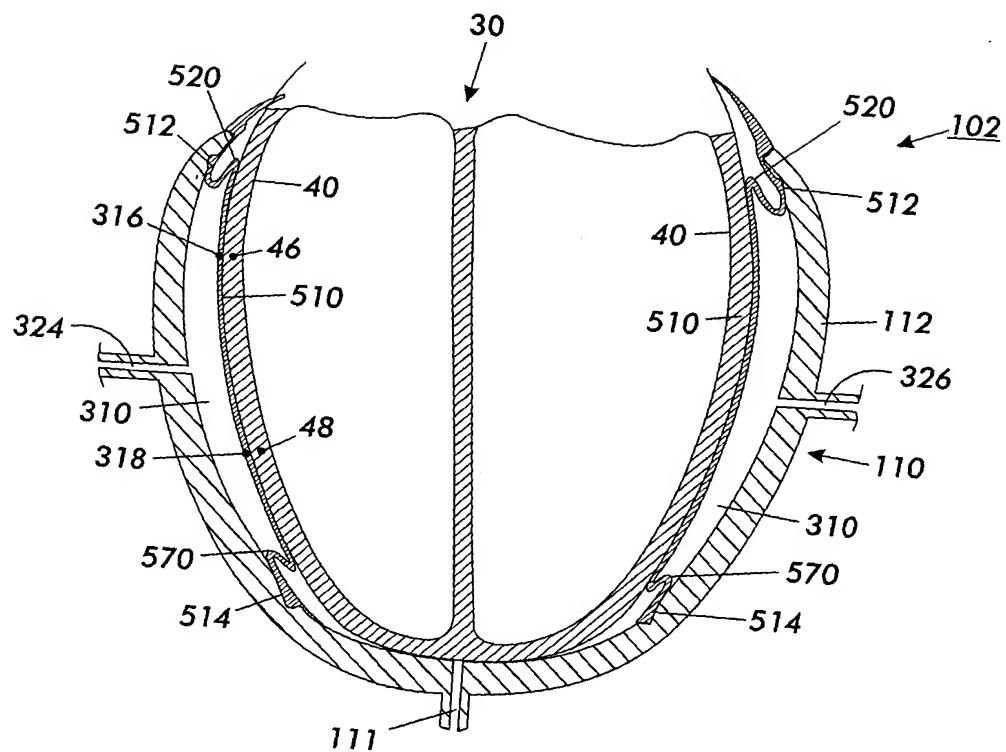
20/55



**FIG. 3A**



**FIG. 3B**



**FIG. 4A**

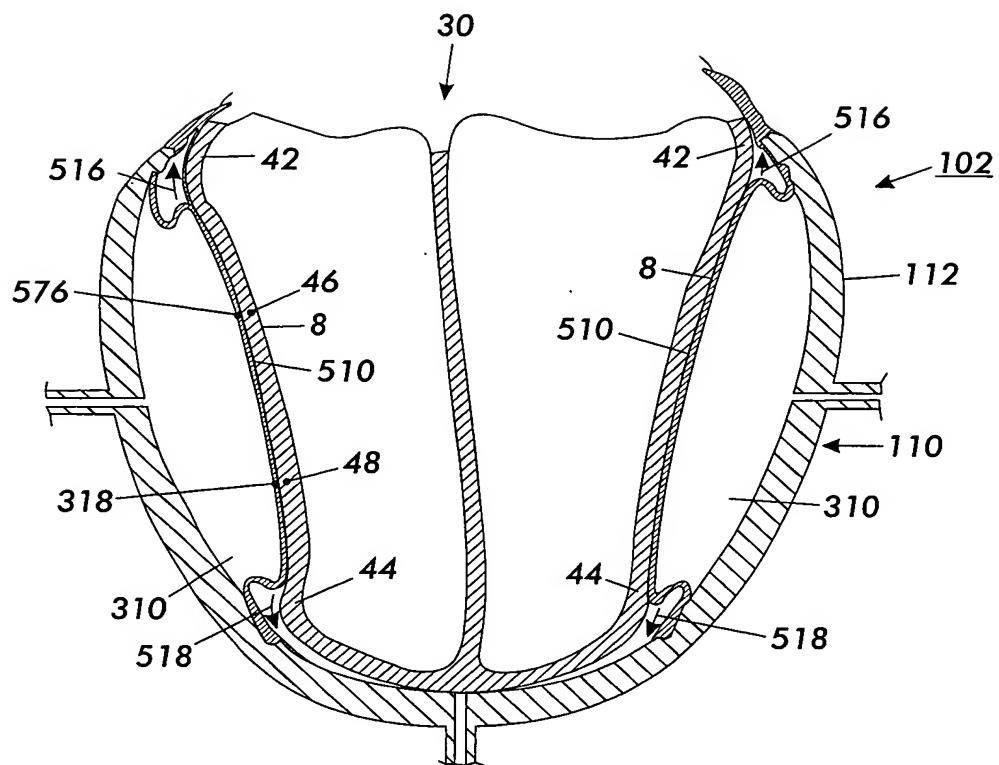
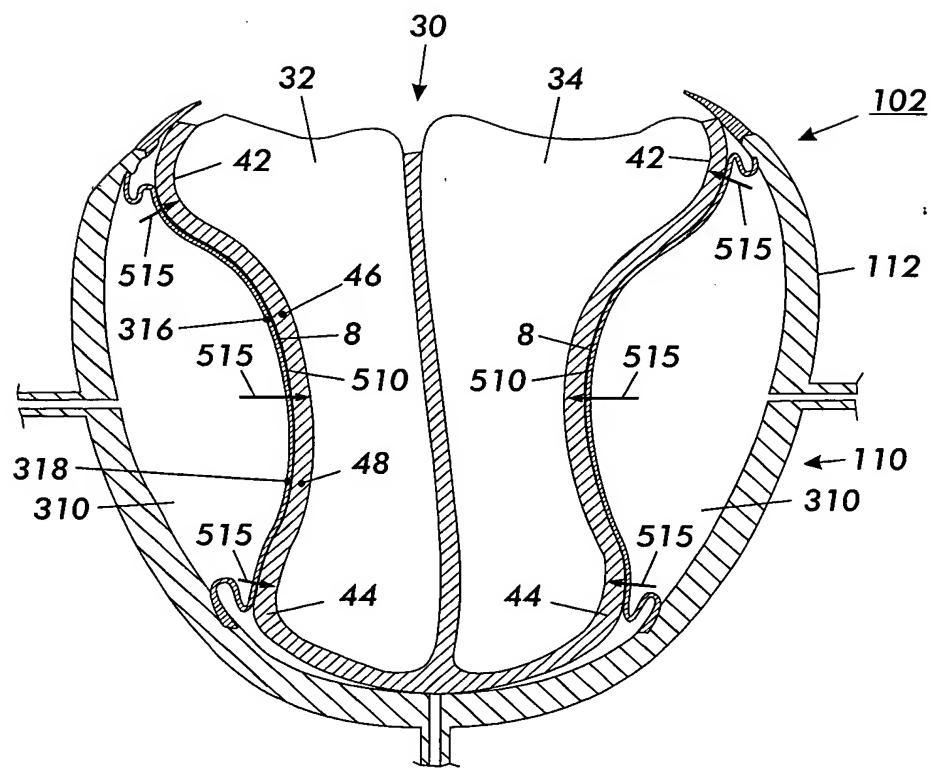


FIG. 4B



**FIG. 4C**

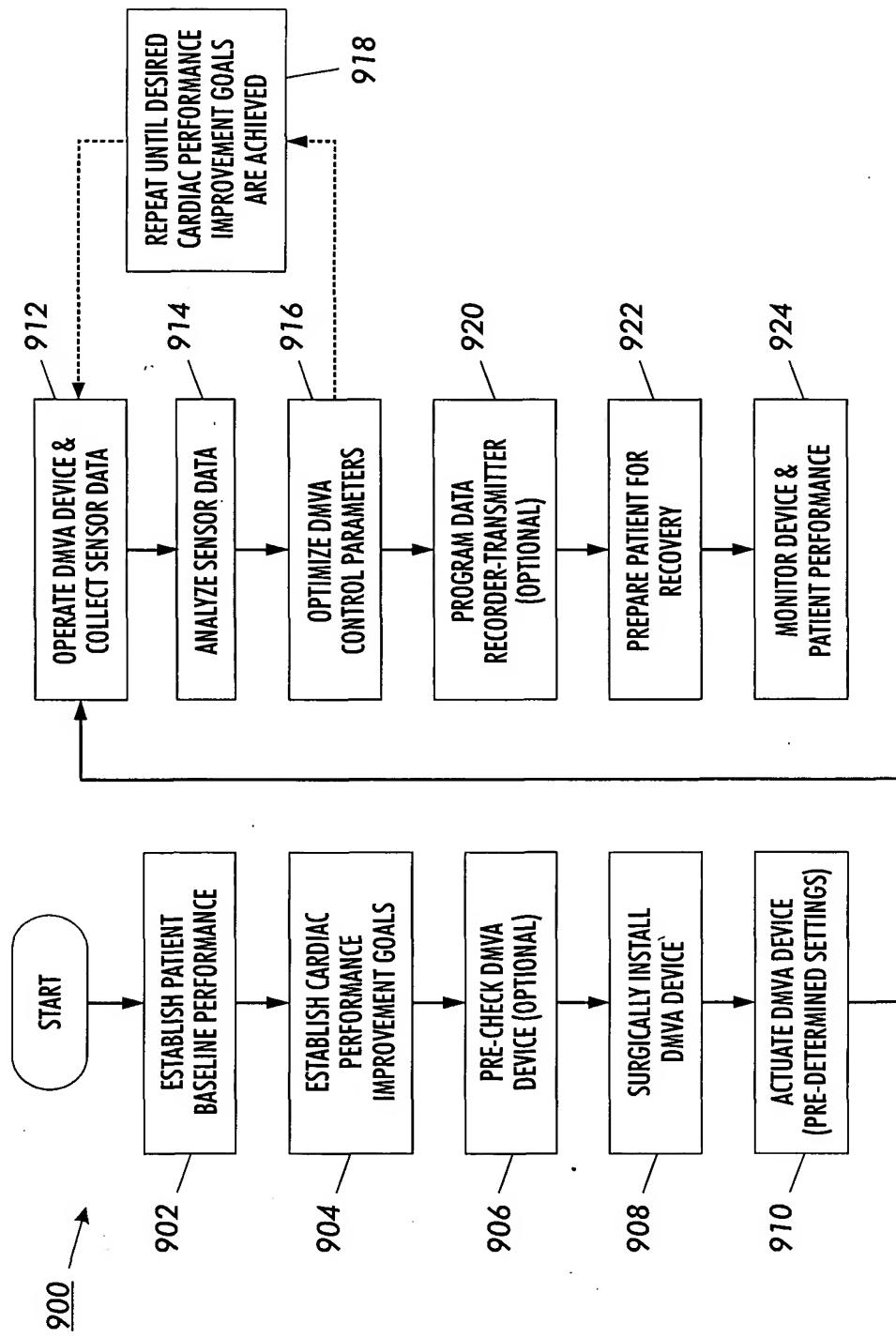


FIG. 5A

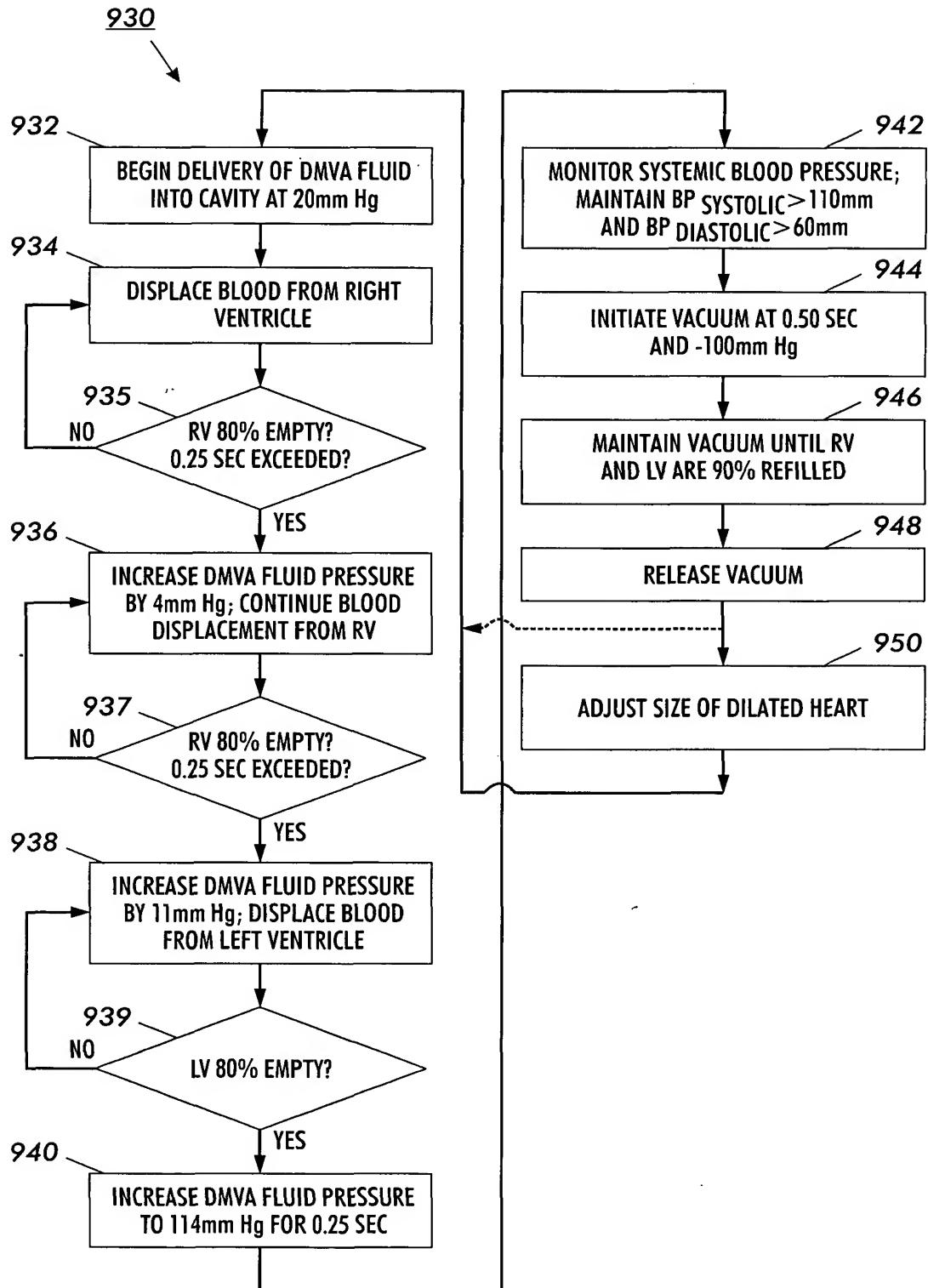


FIG. 5B

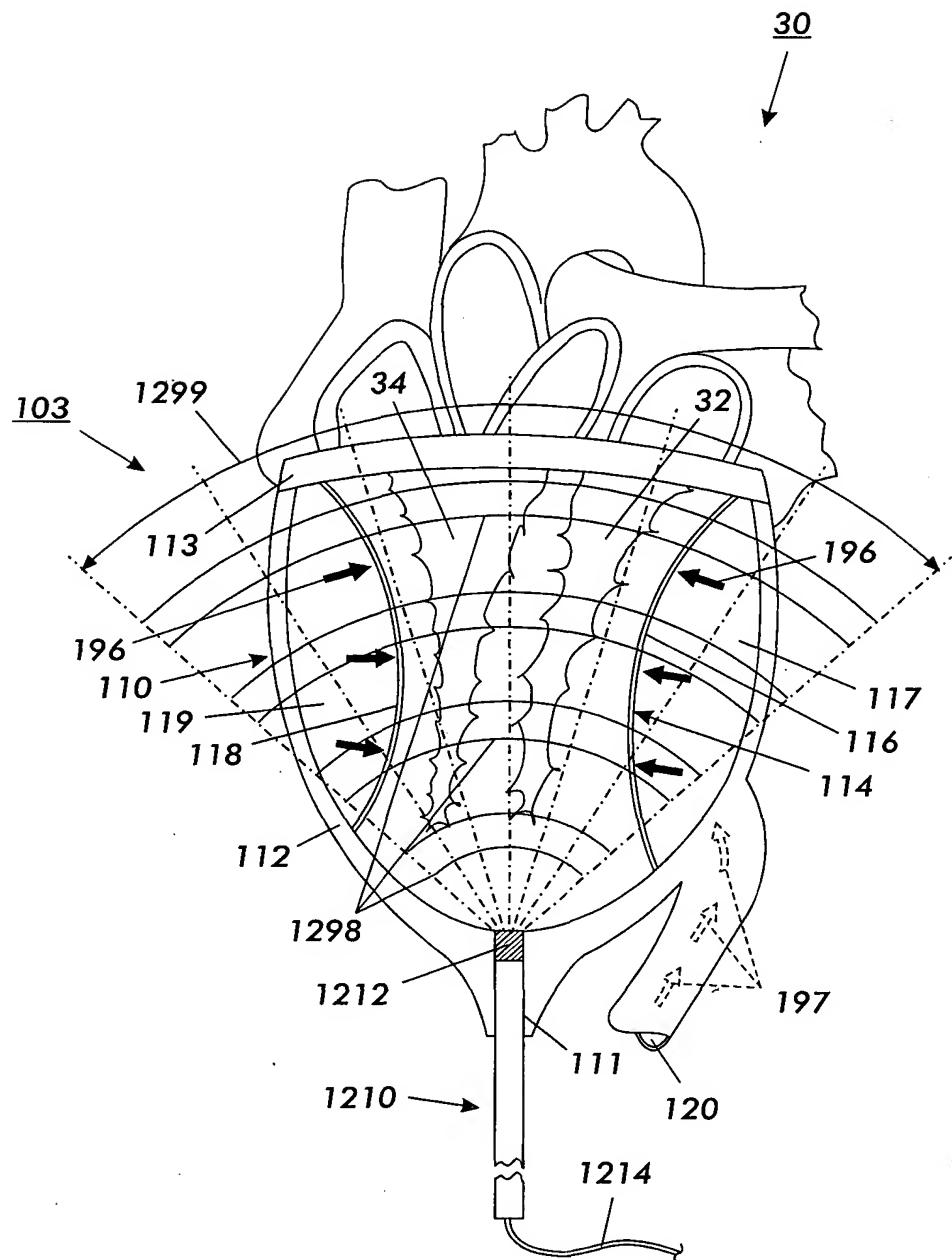
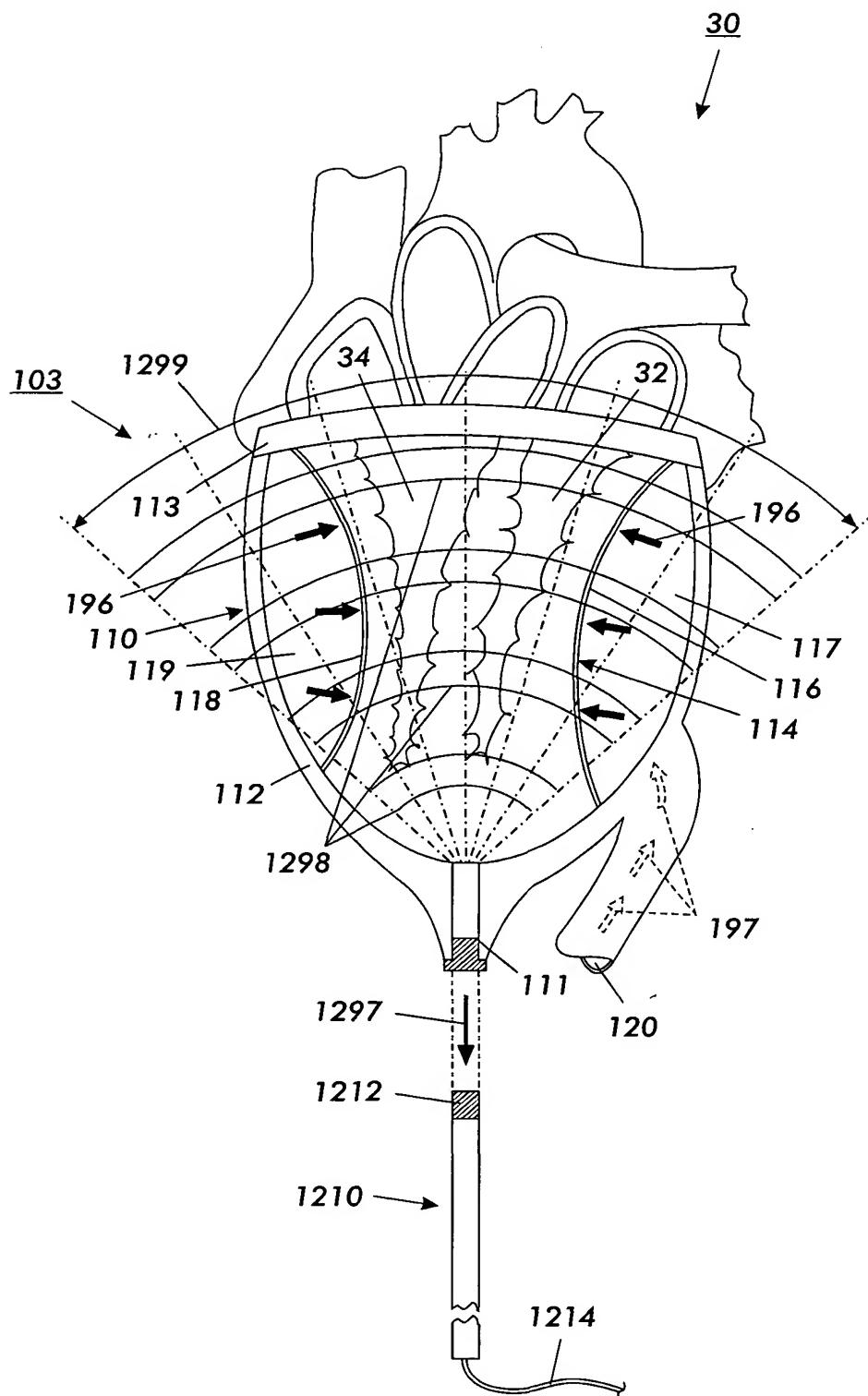


FIG. 6A



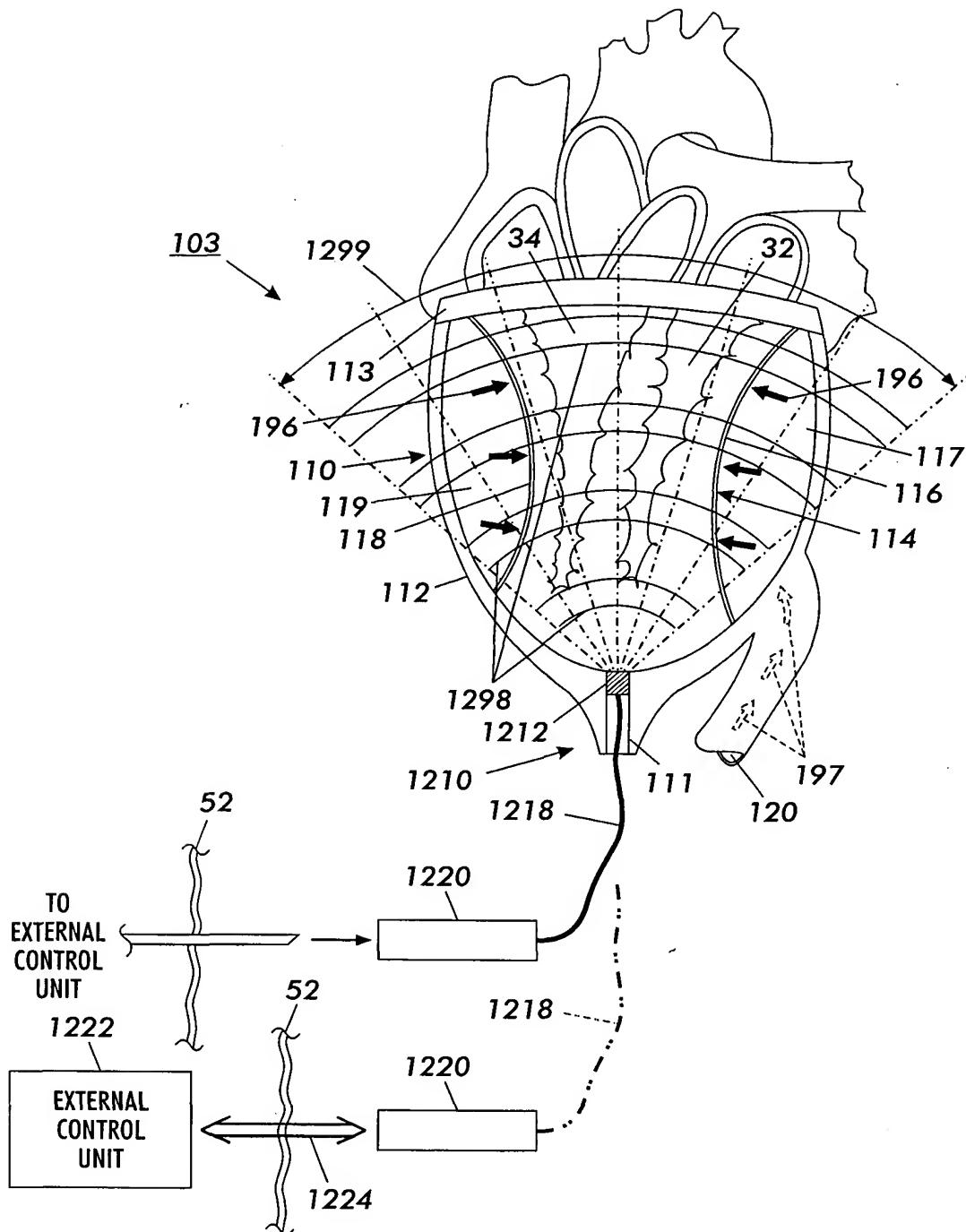
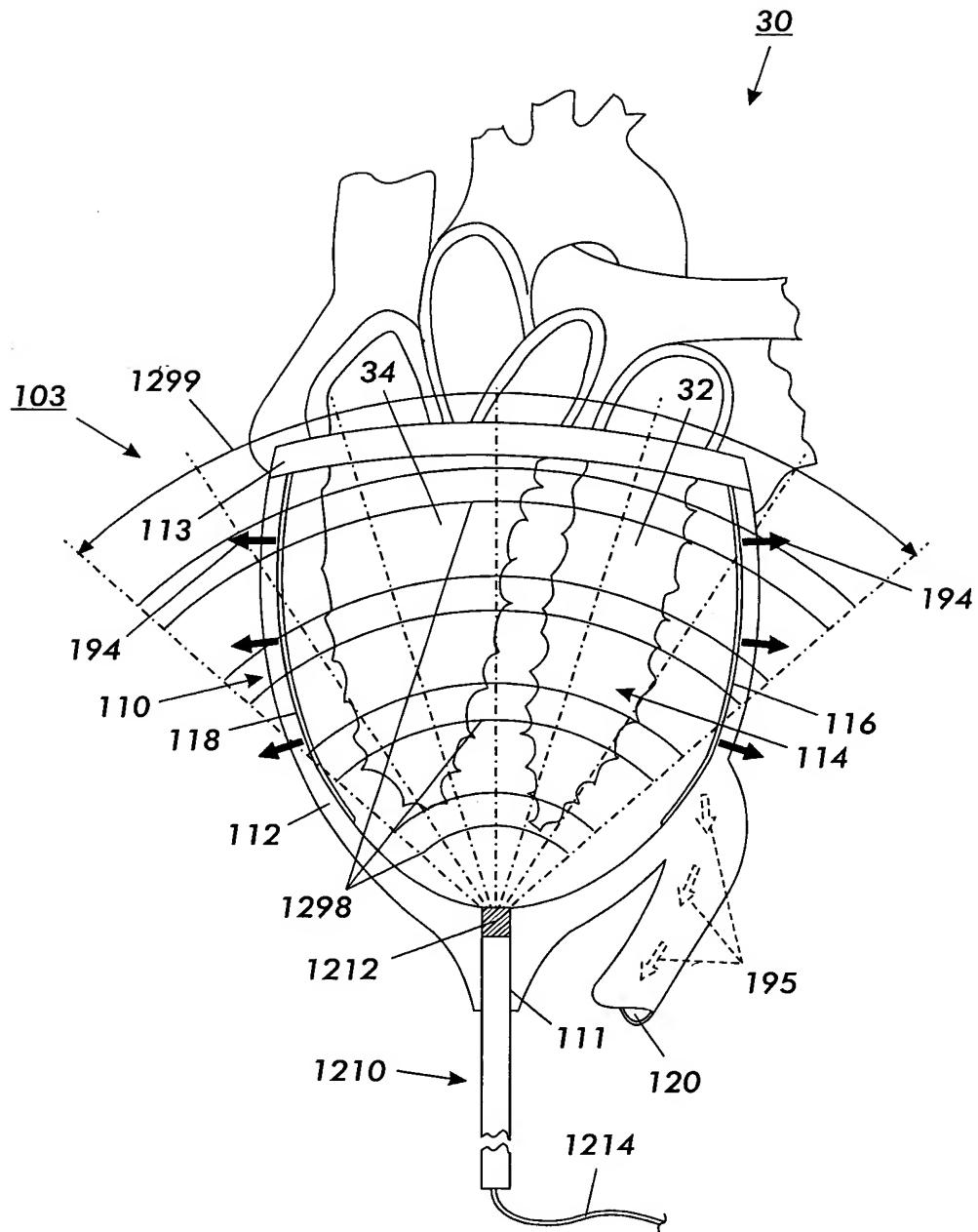
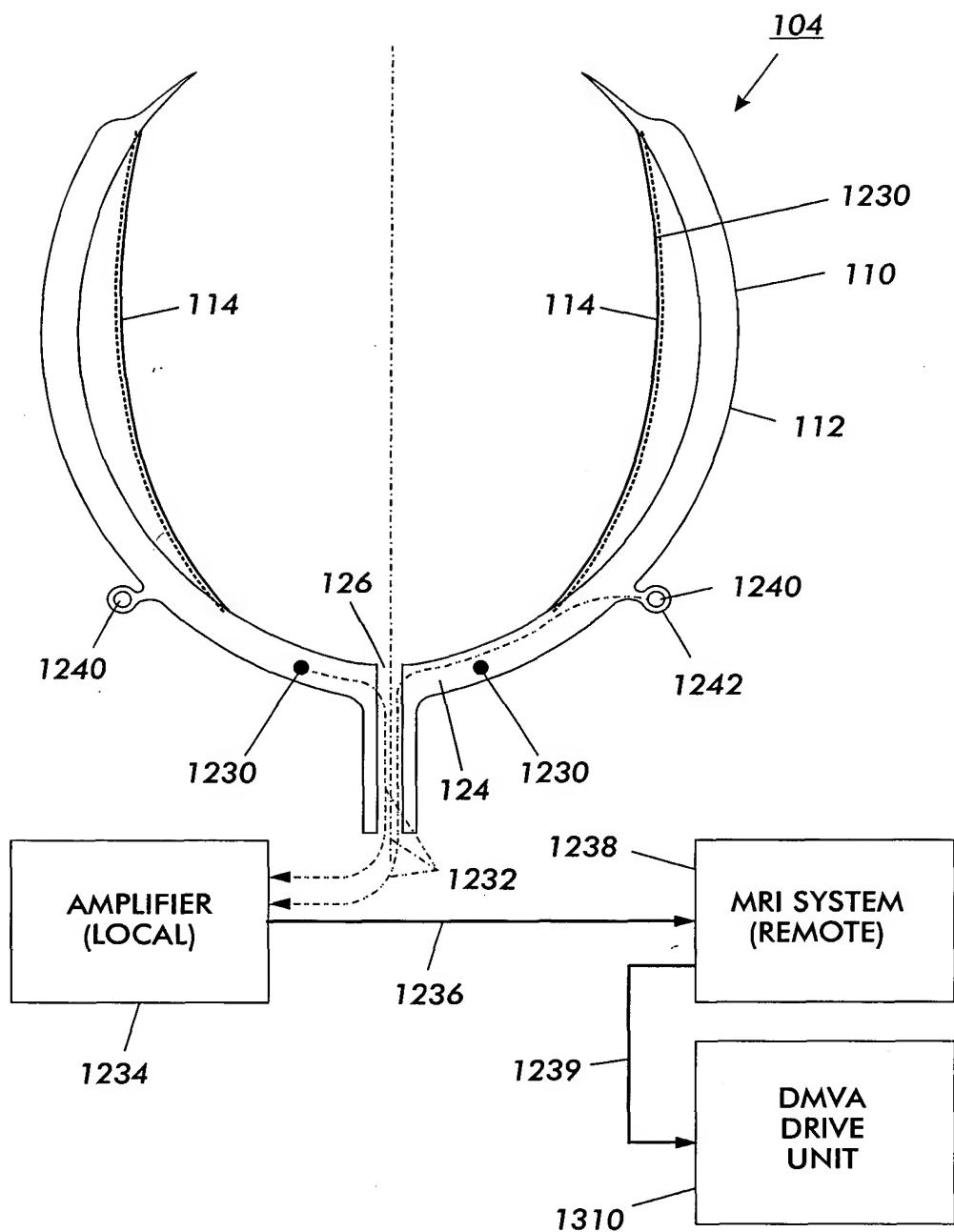
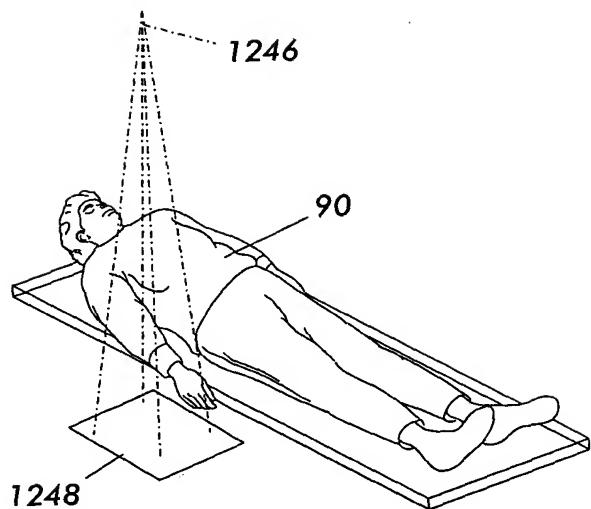


FIG. 6C

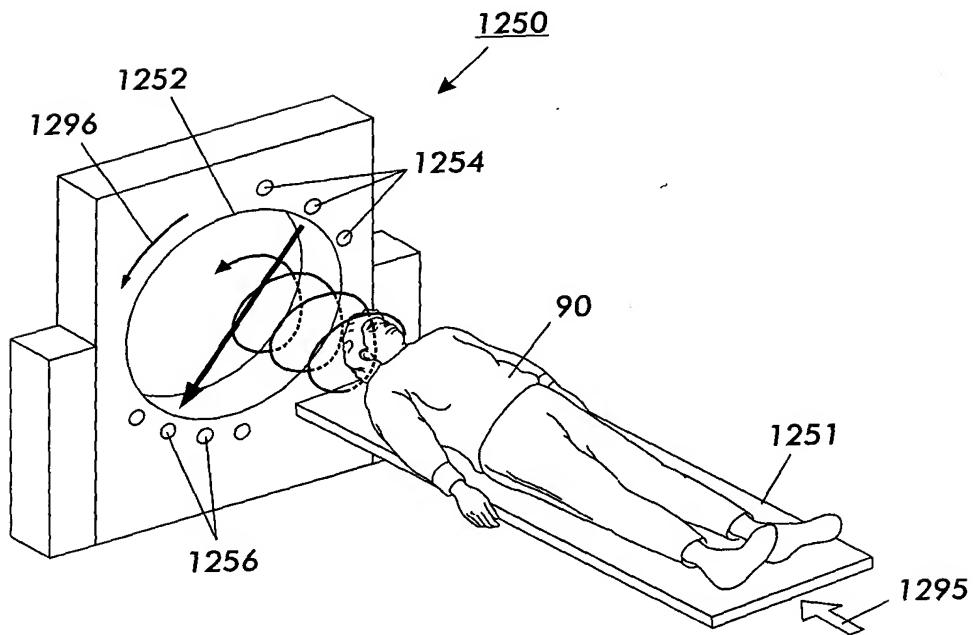




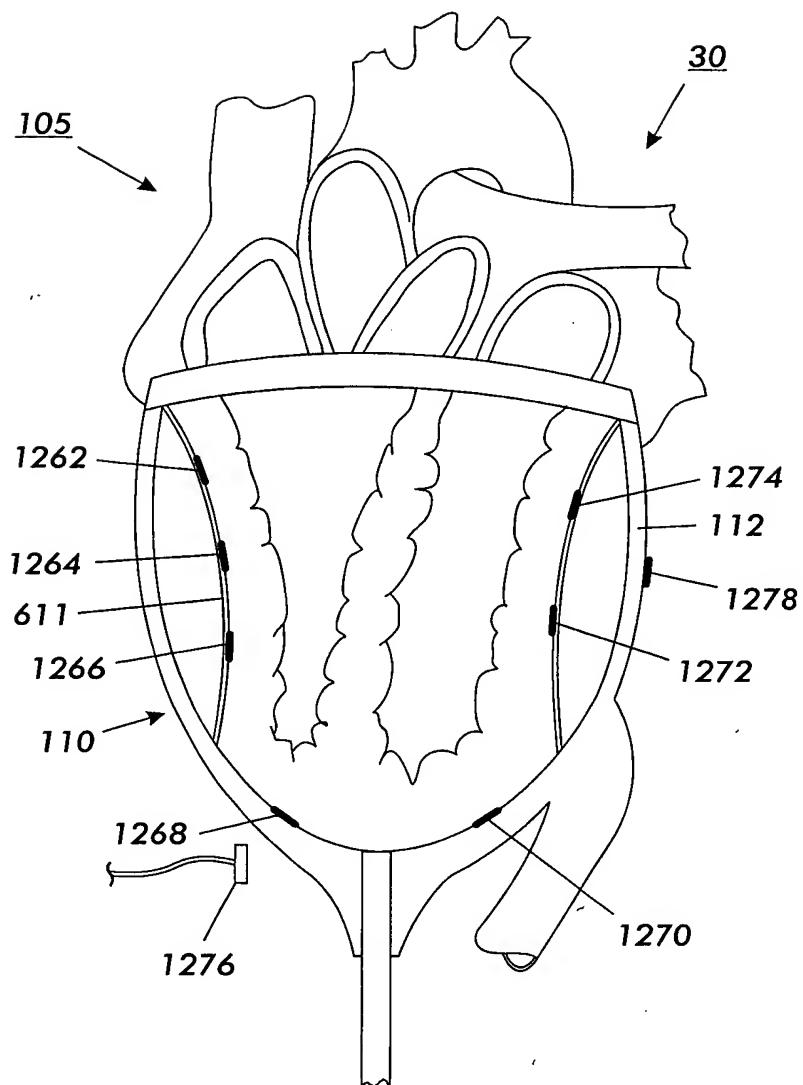
**FIG. 8**



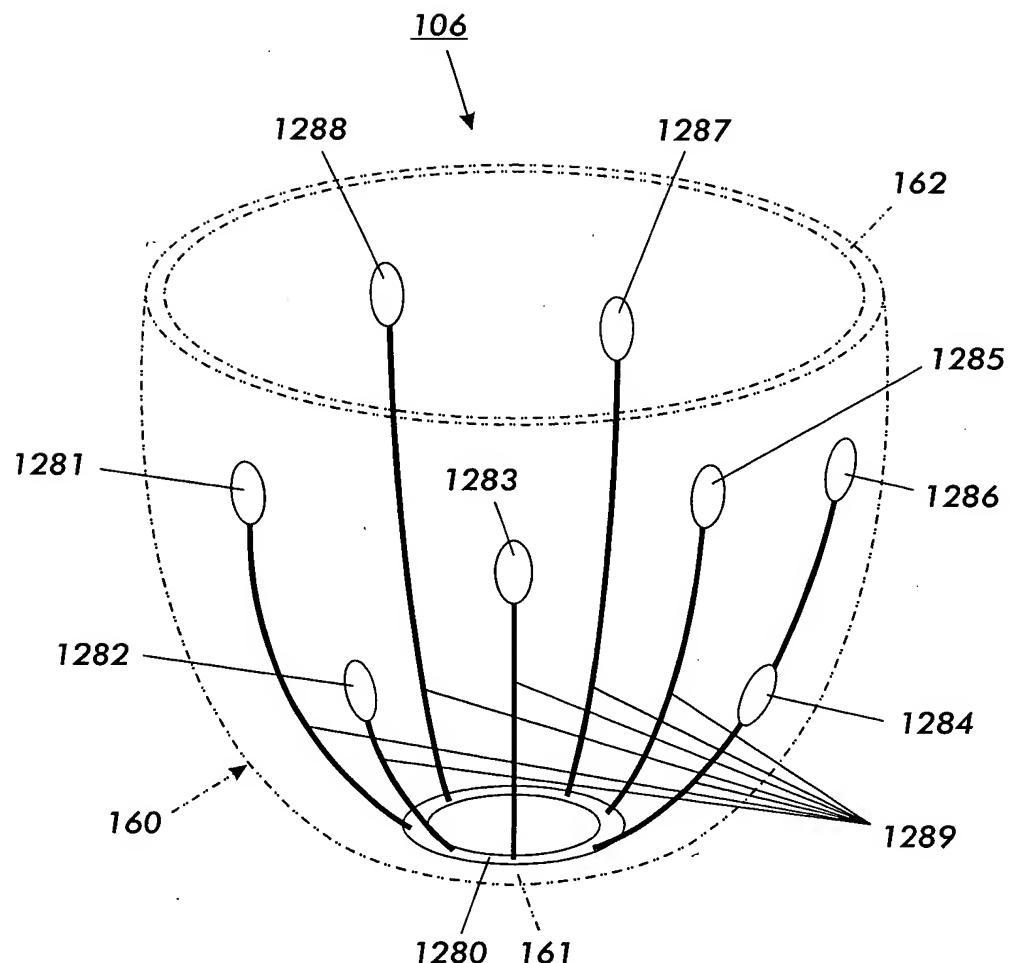
**FIG. 9A**



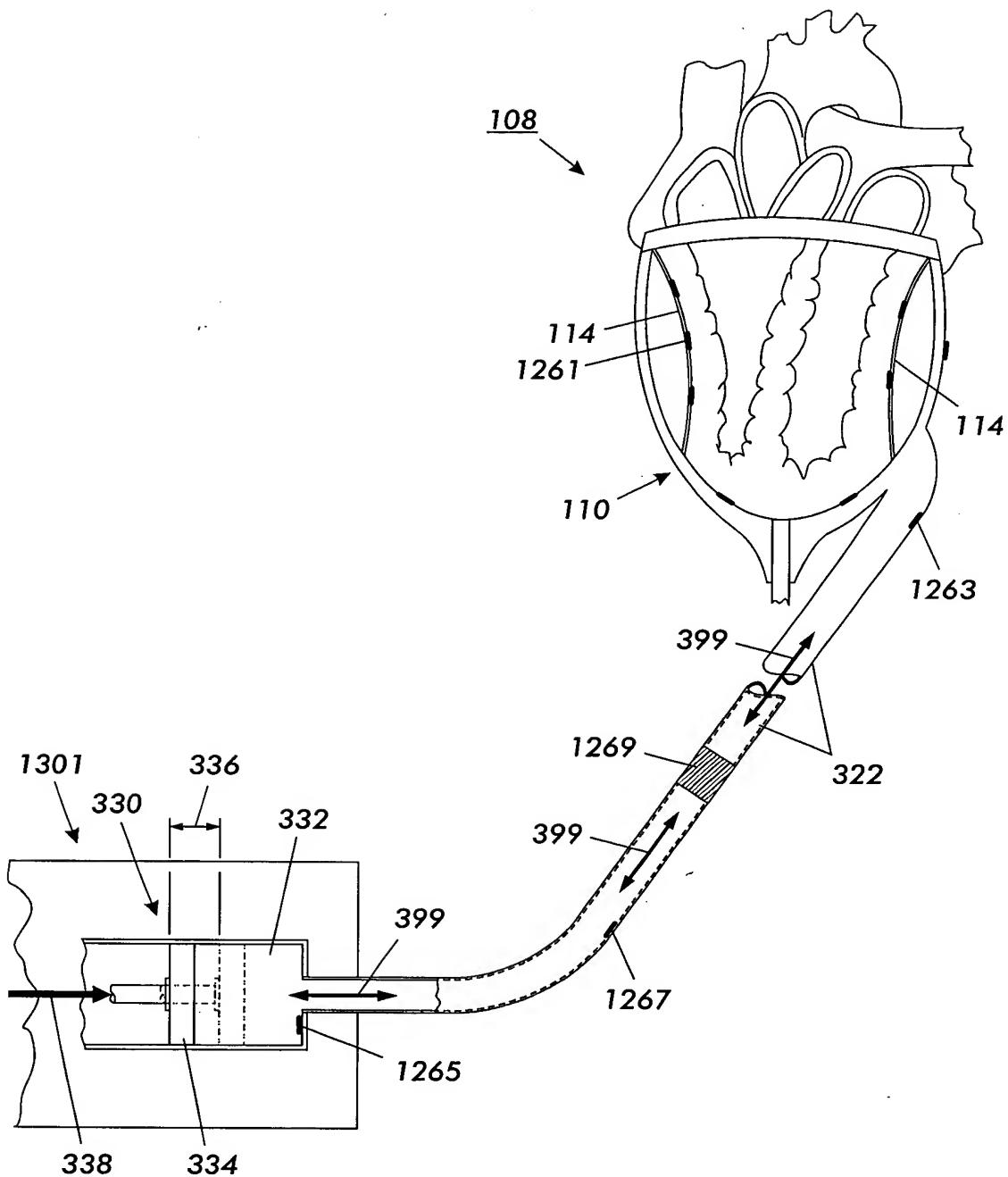
**FIG. 9B**



**FIG. 10A**



**FIG. 10B**



**FIG. 11**

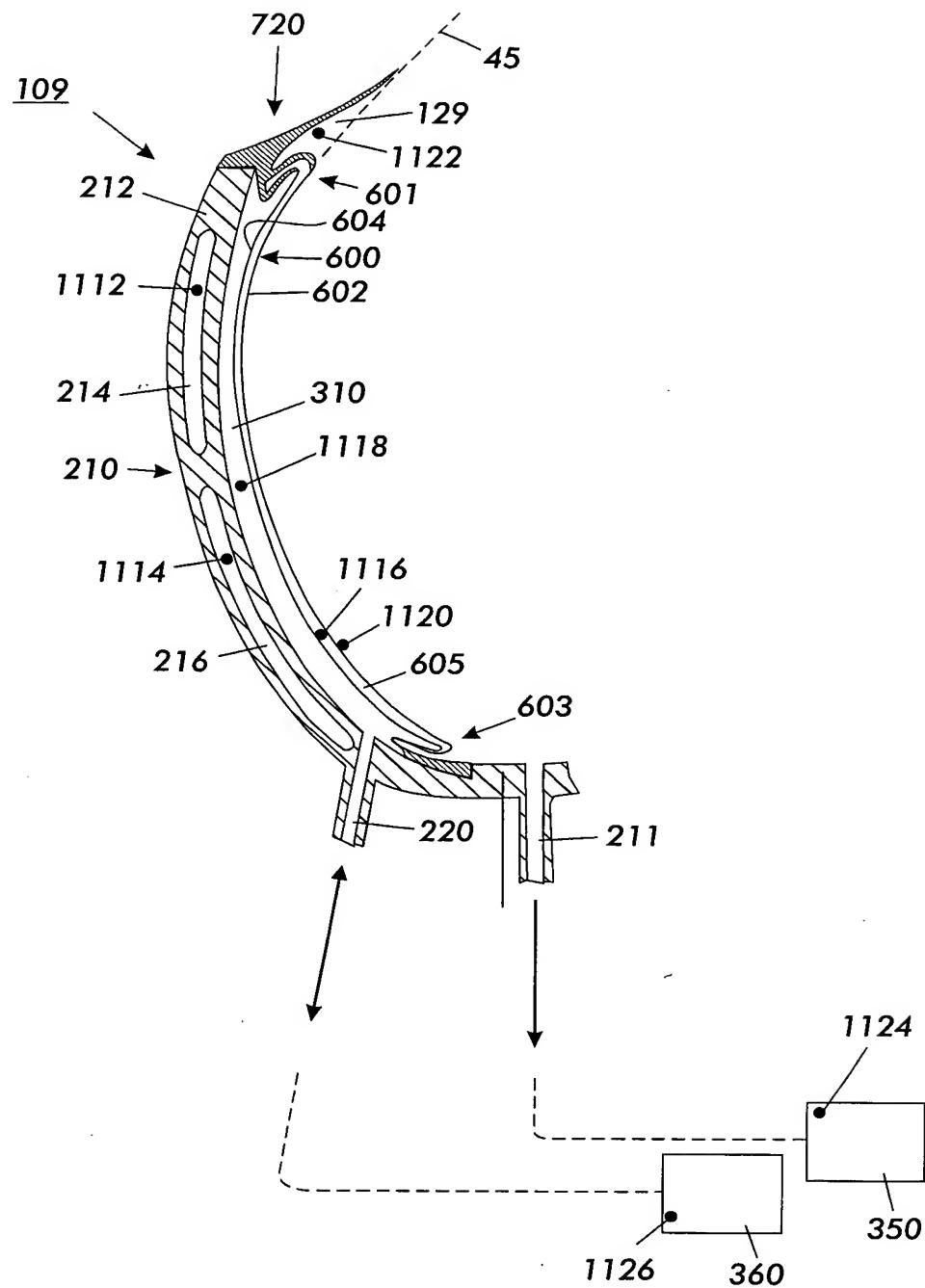


FIG. 12

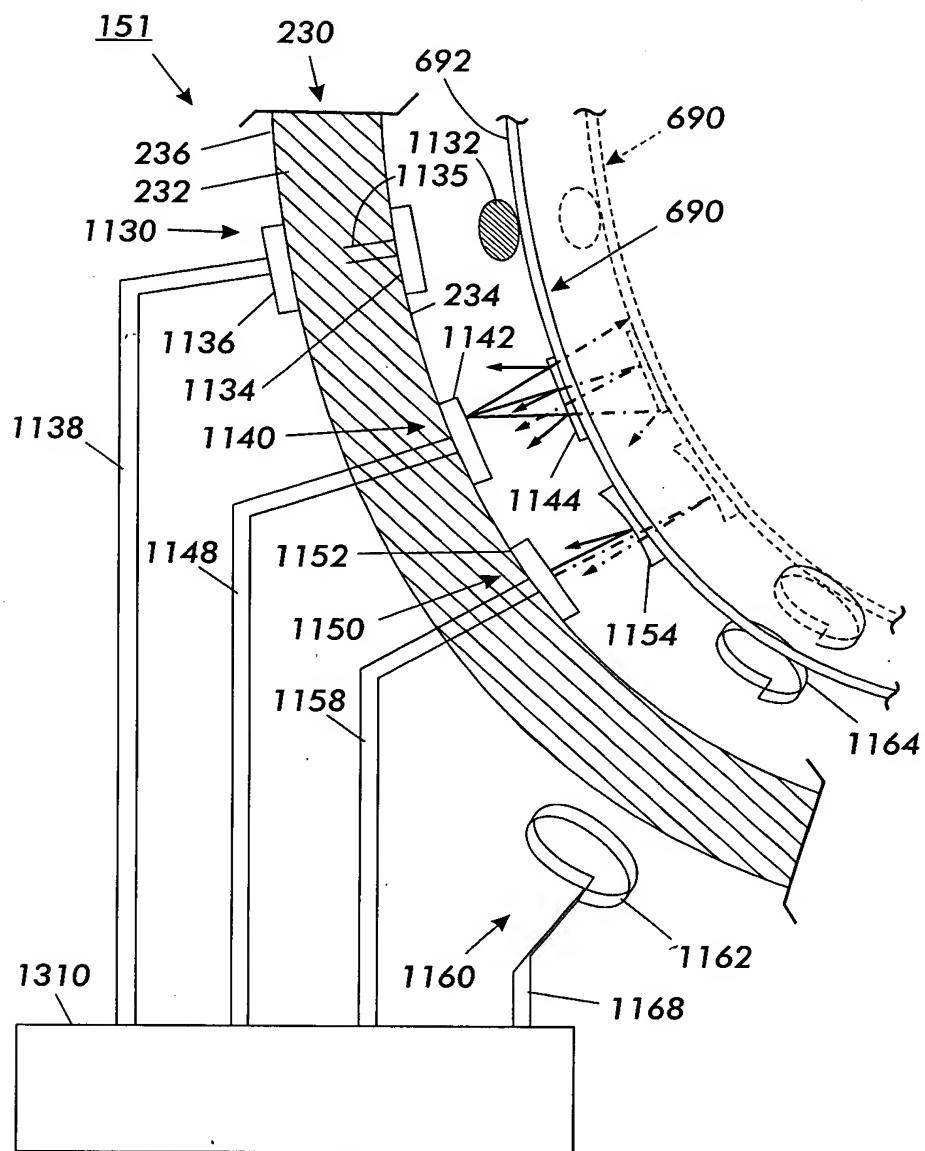
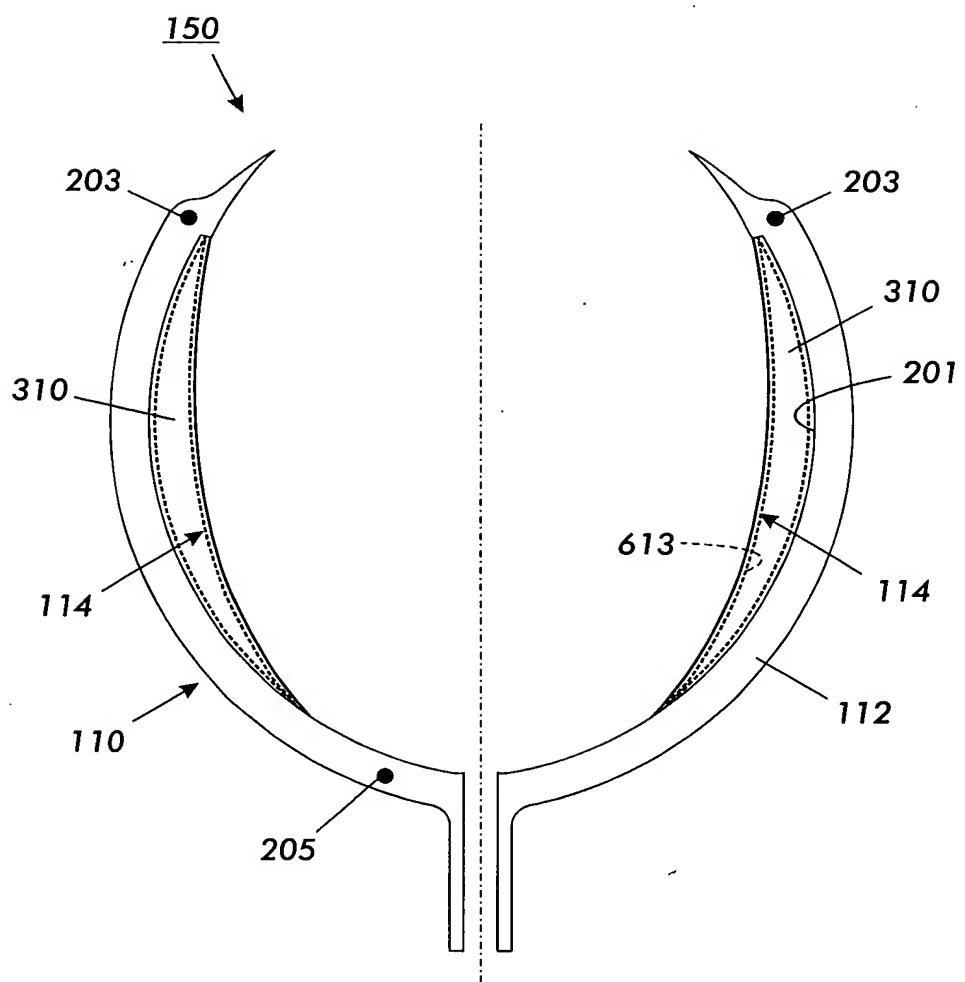


FIG. 13



**FIG. 14**

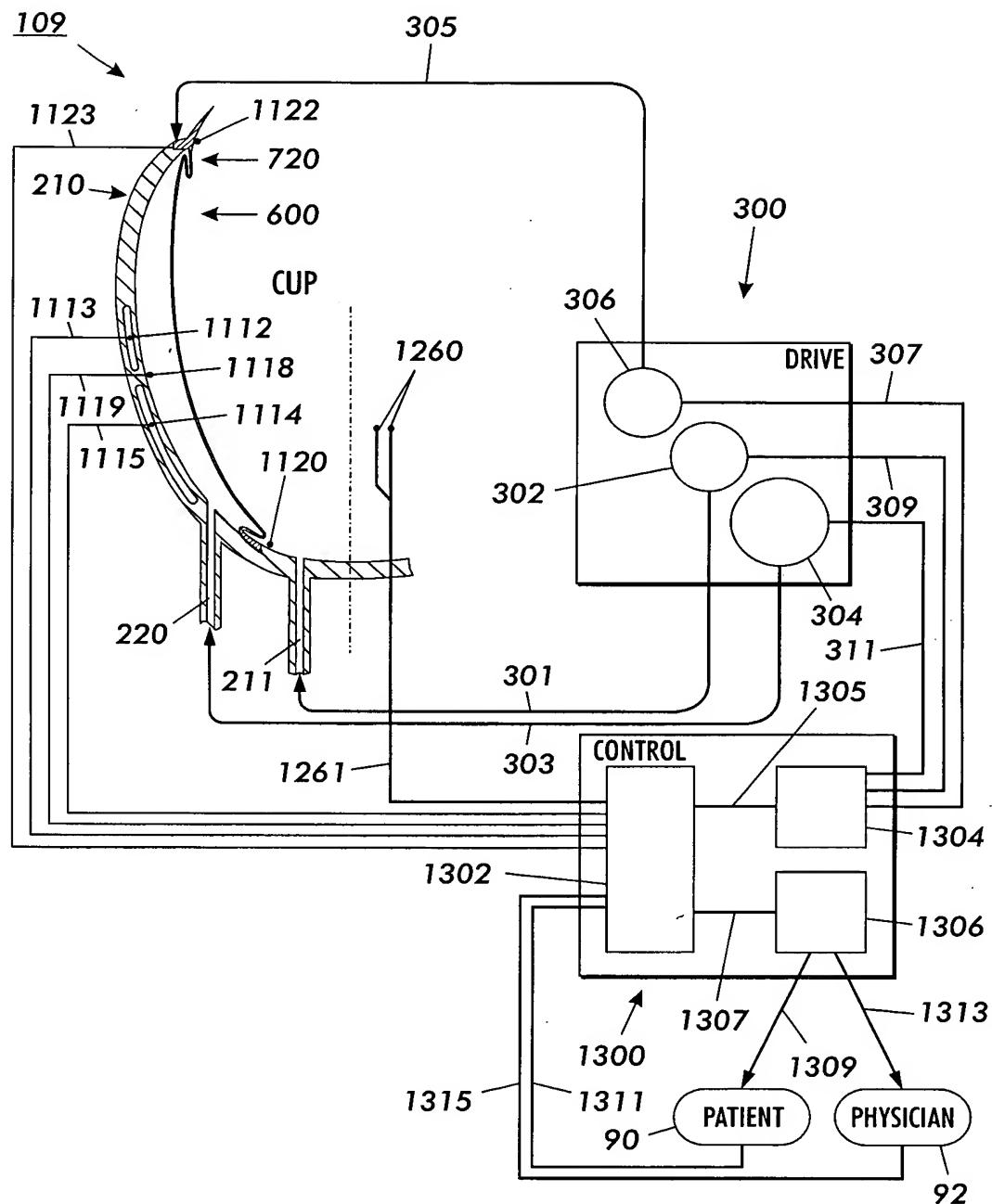
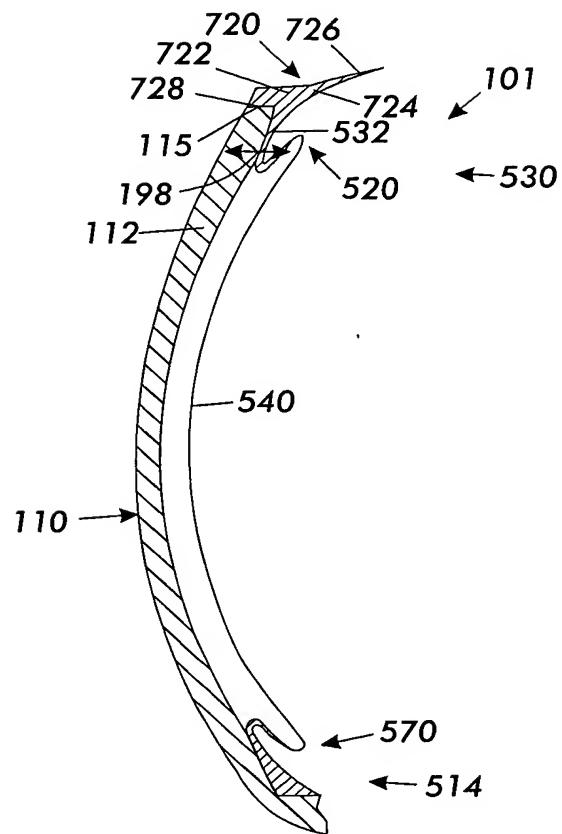
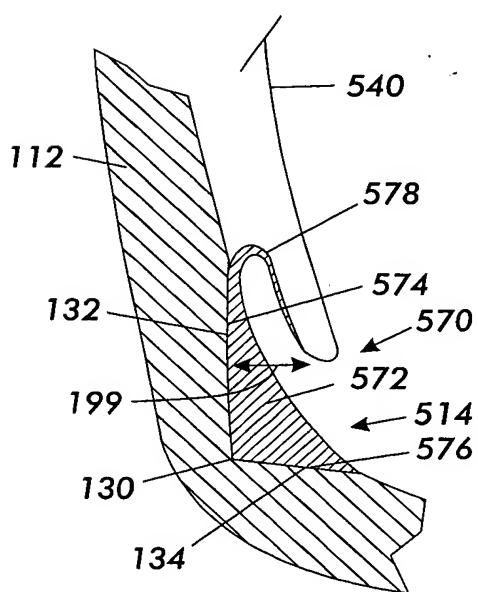


FIG. 15

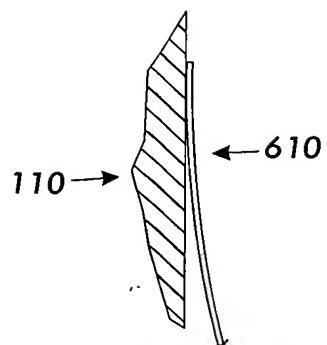
39/55



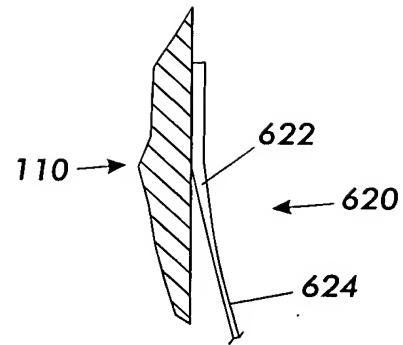
**FIG. 16A**



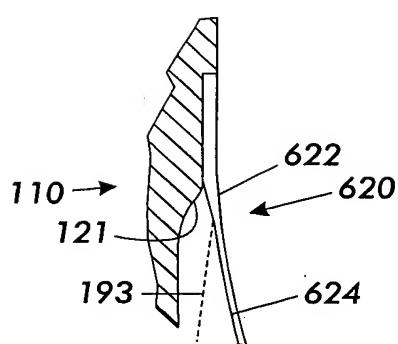
**FIG. 16B**



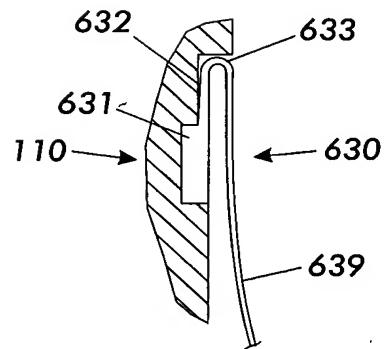
**FIG. 17A**



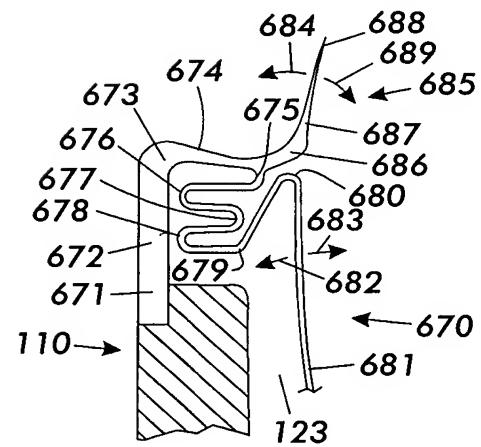
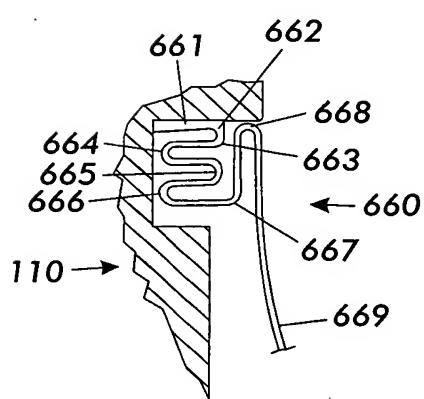
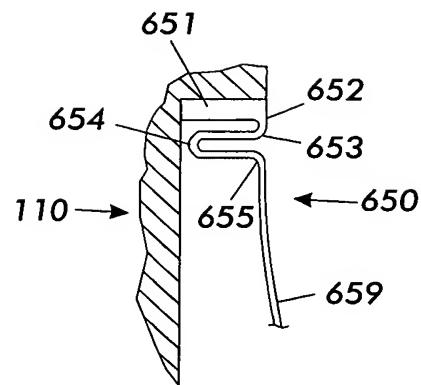
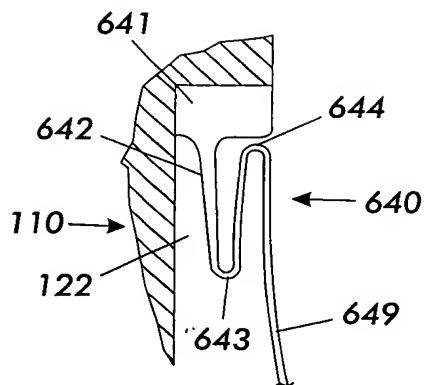
**FIG. 17B**

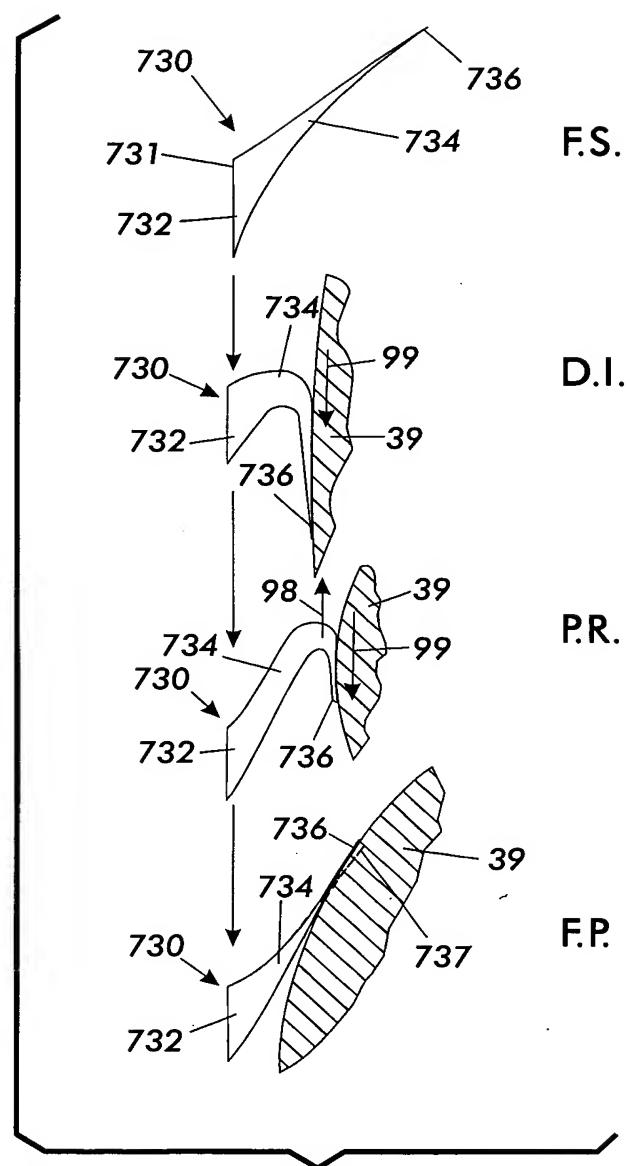


**FIG. 17C**

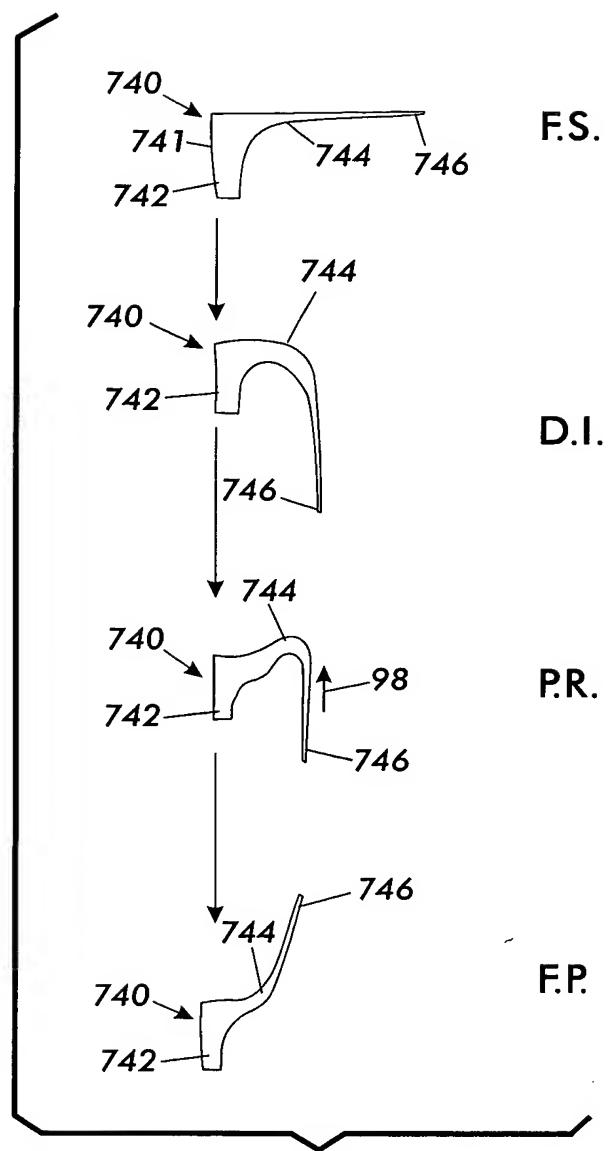


**FIG. 17D**





**FIG. 18A**



**FIG. 18B**

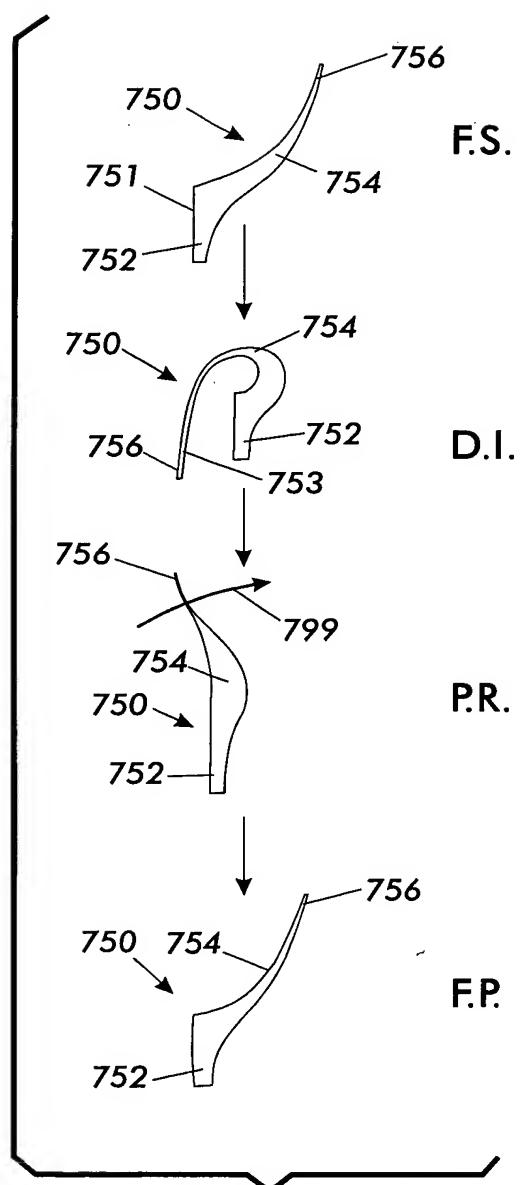
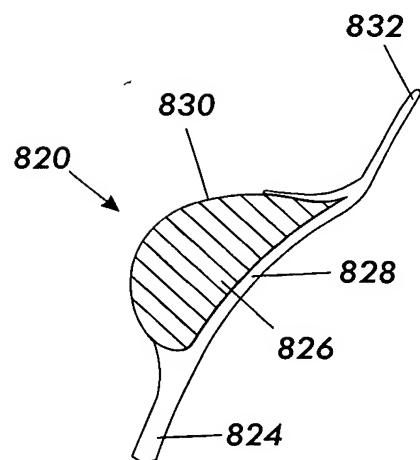
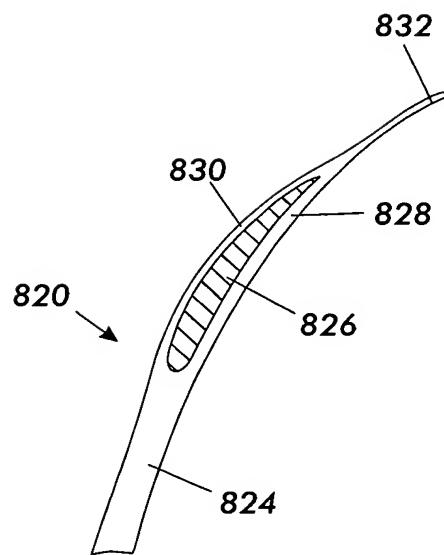
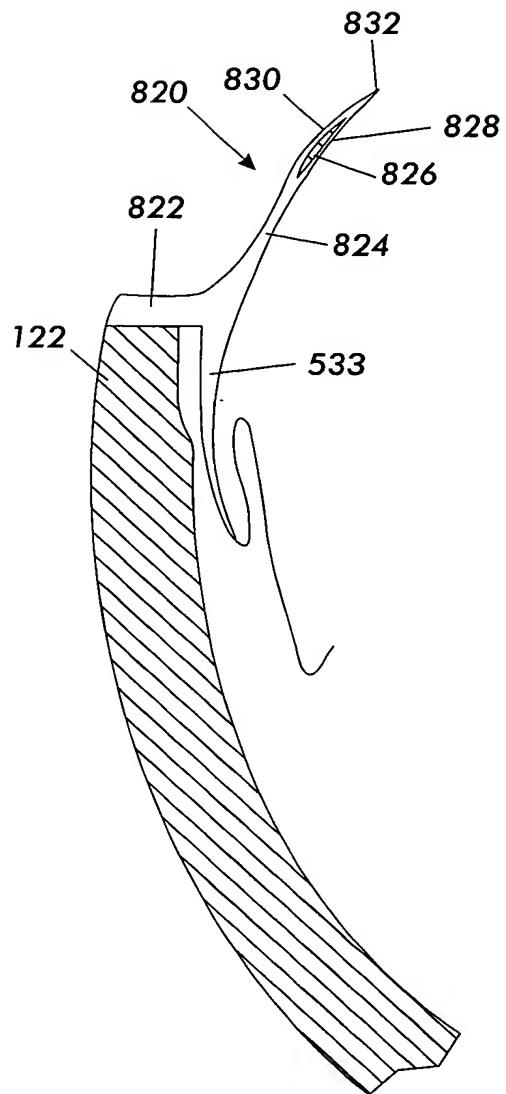


FIG. 18C



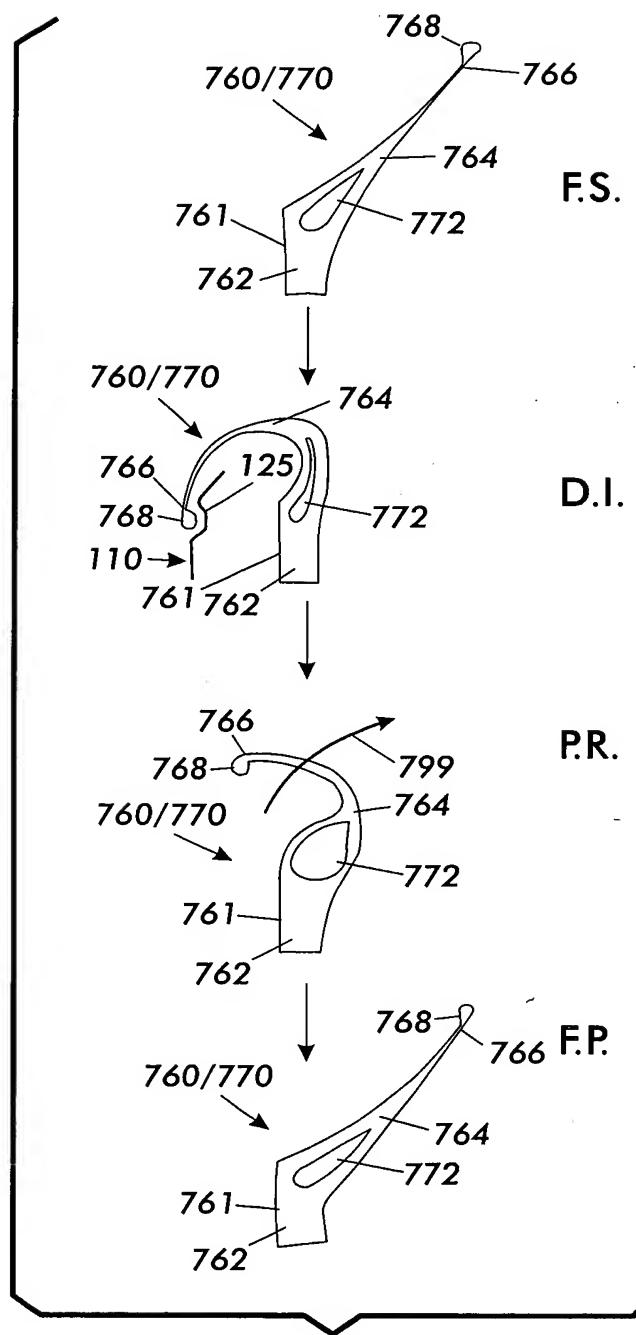
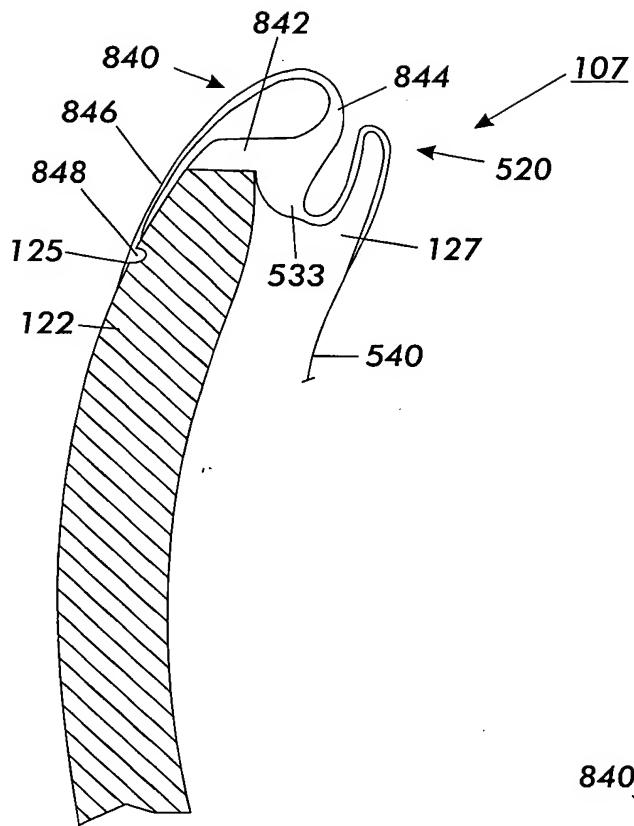


FIG. 20



**FIG. 21A**

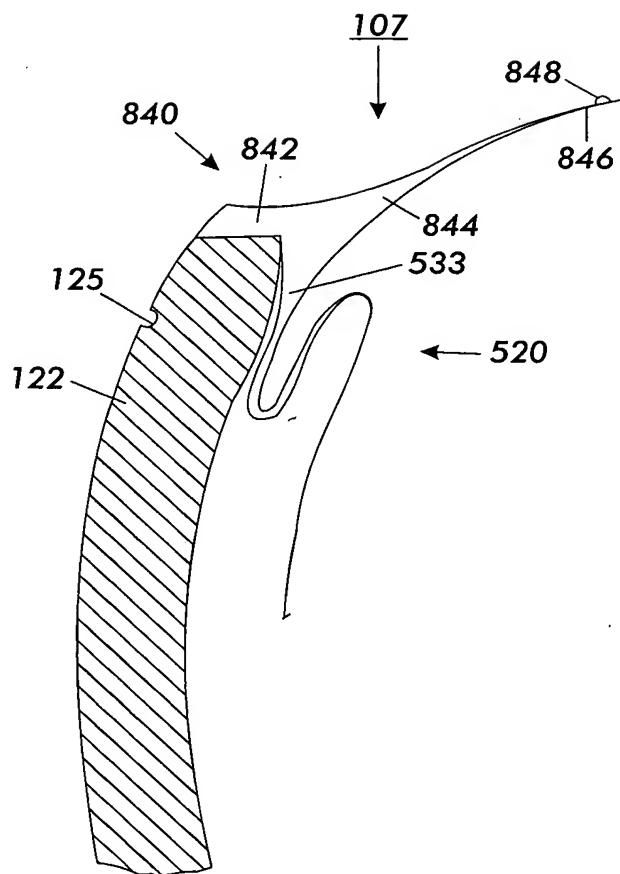
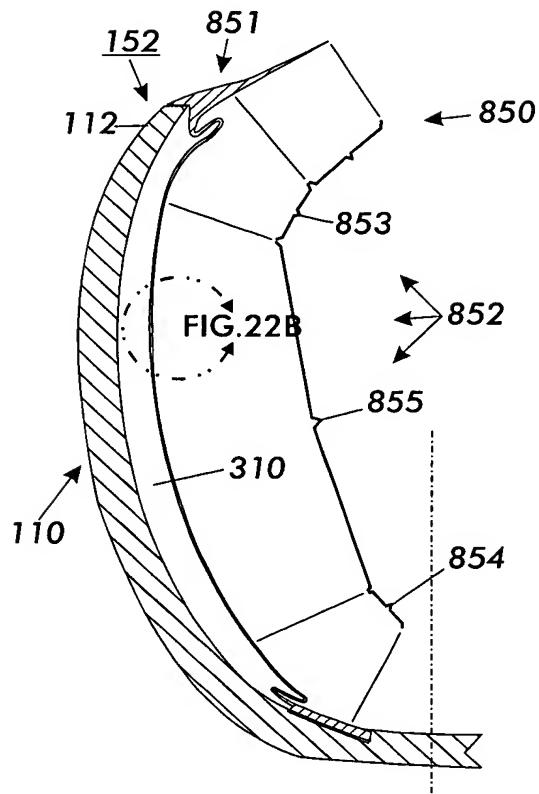
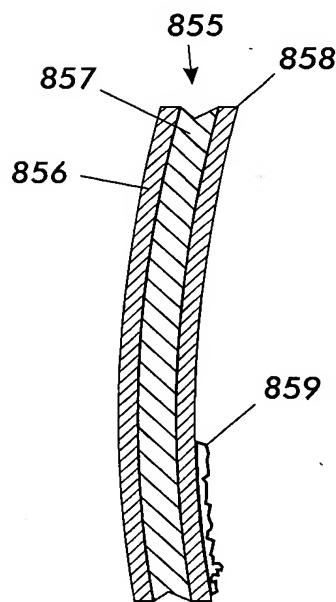


FIG. 21B

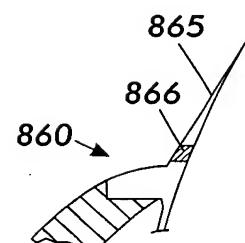
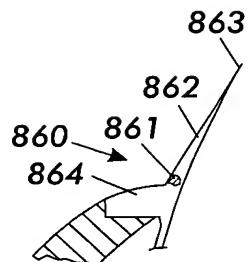
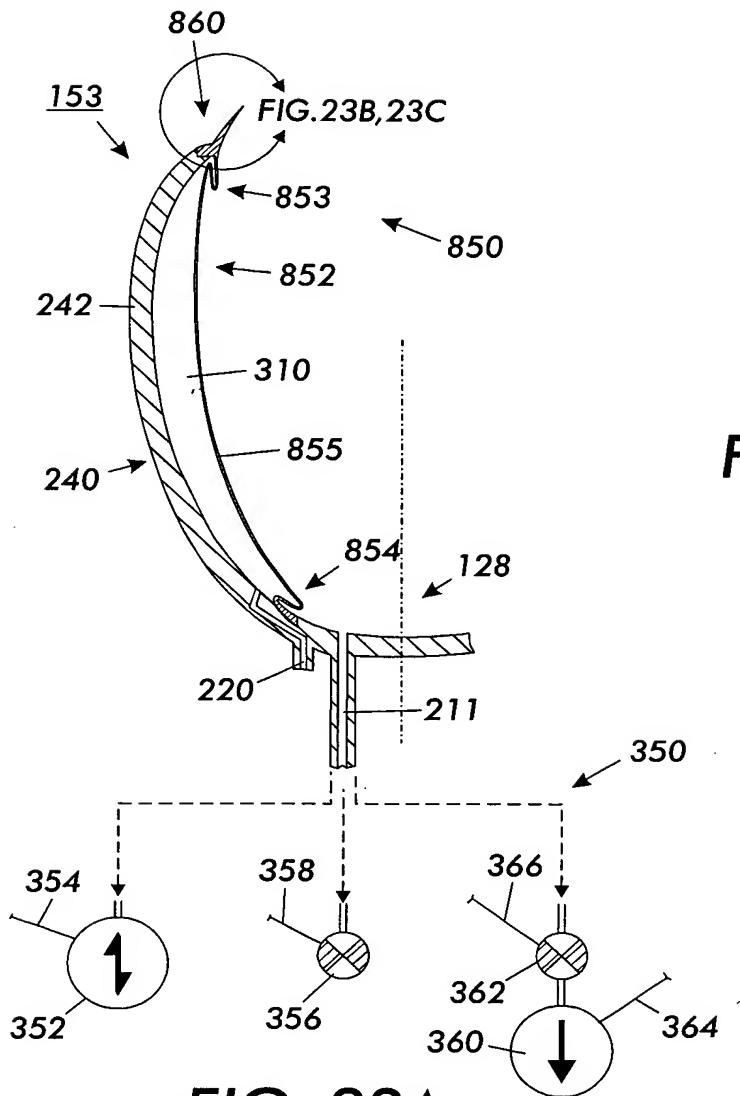
48/55



**FIG. 22A**



**FIG. 22B**



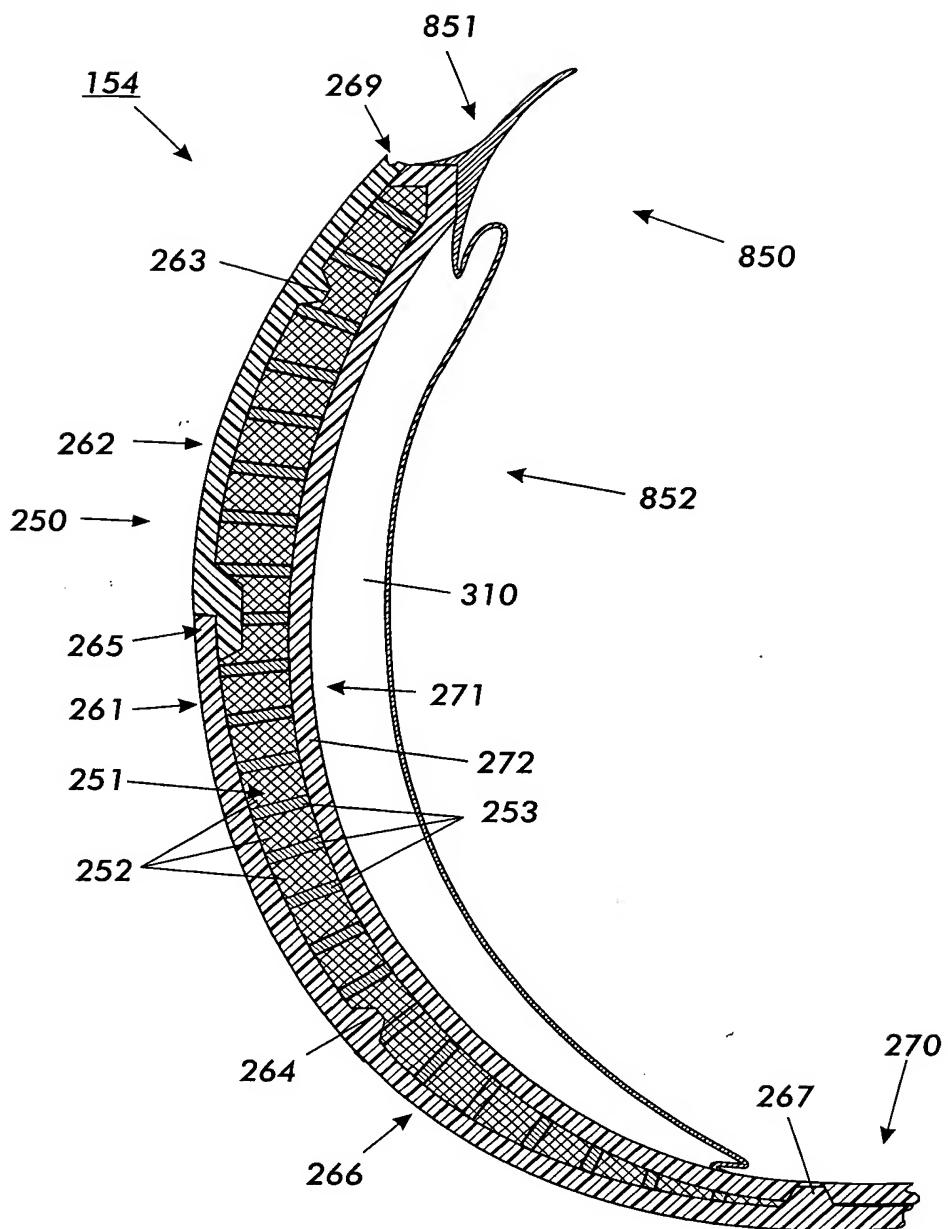
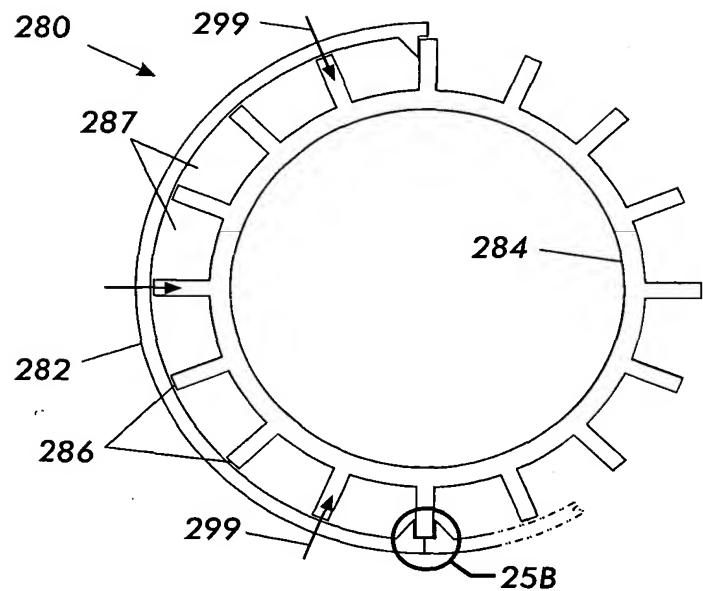
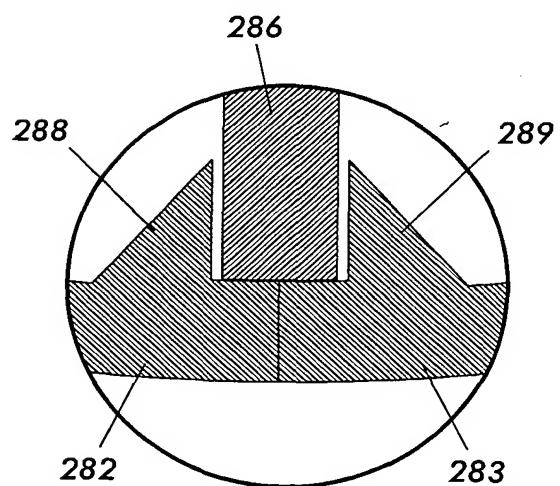


FIG. 24



**FIG. 25A**



**FIG. 25B**

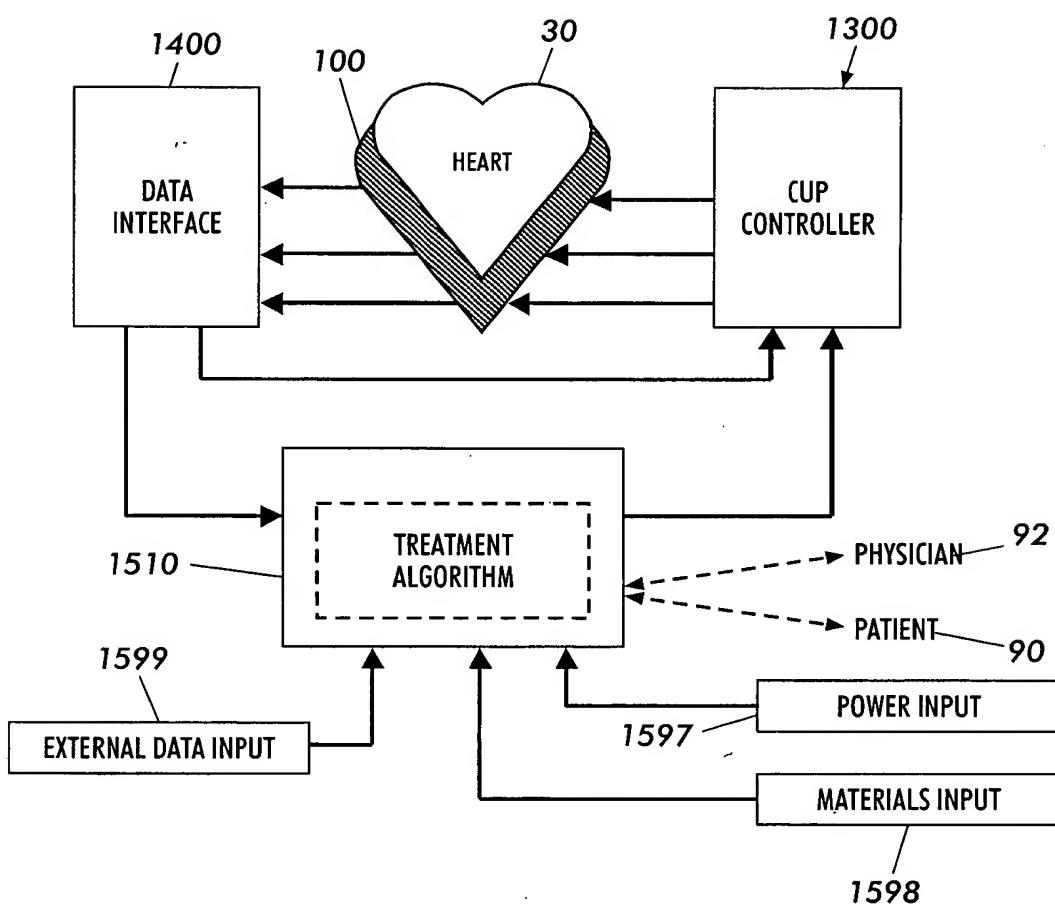


FIG. 26

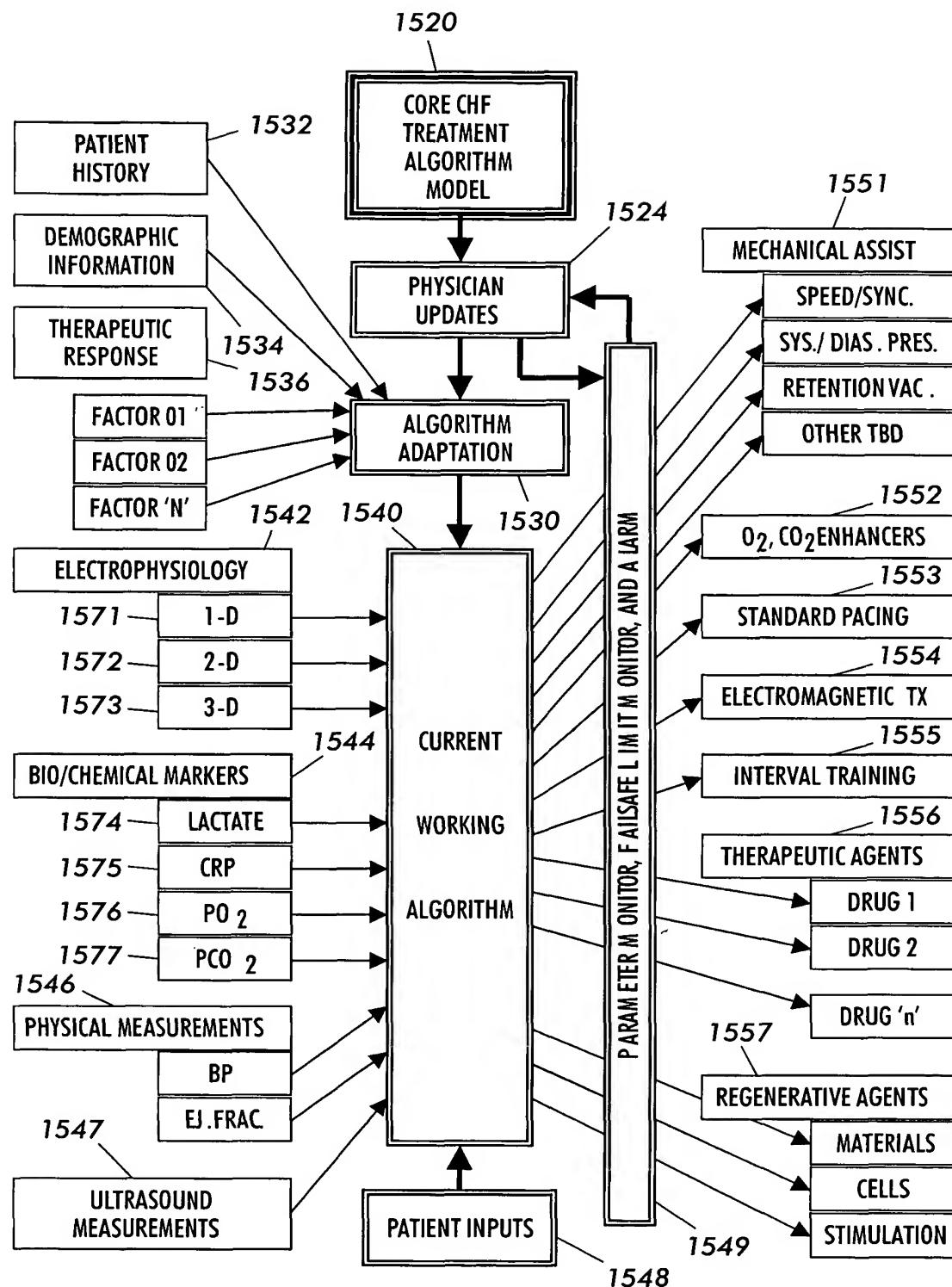


FIG. 27

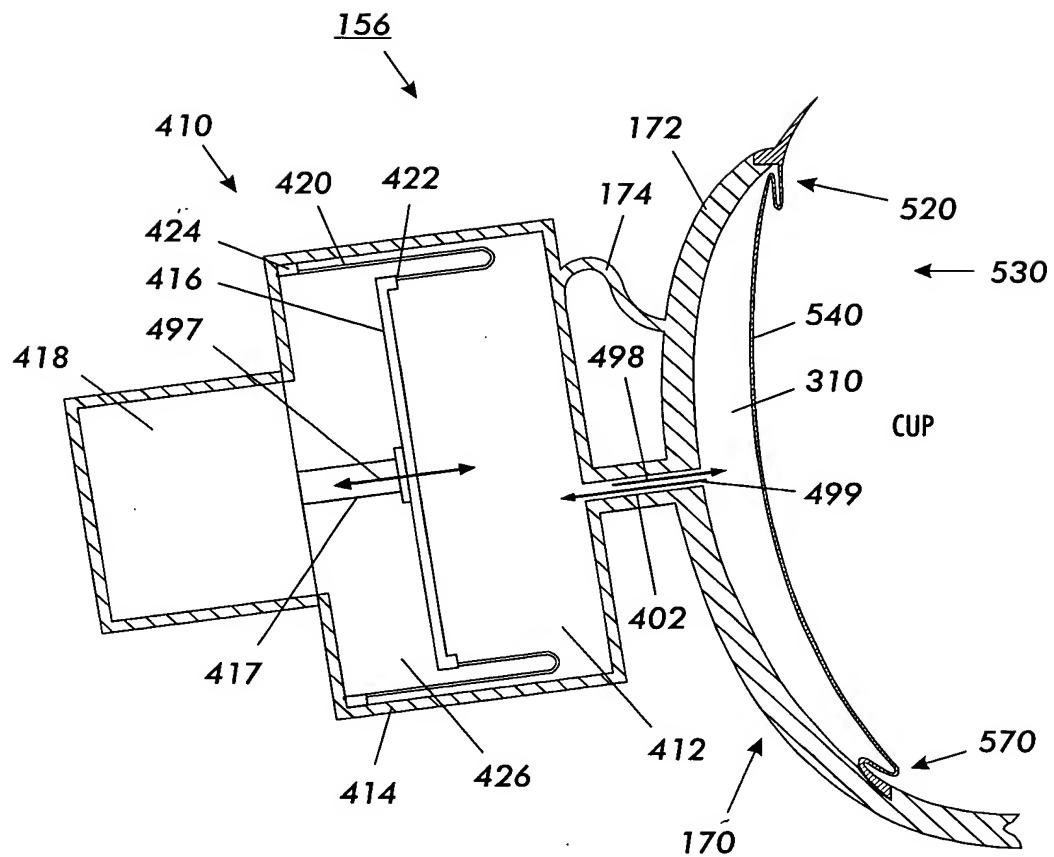


FIG. 28

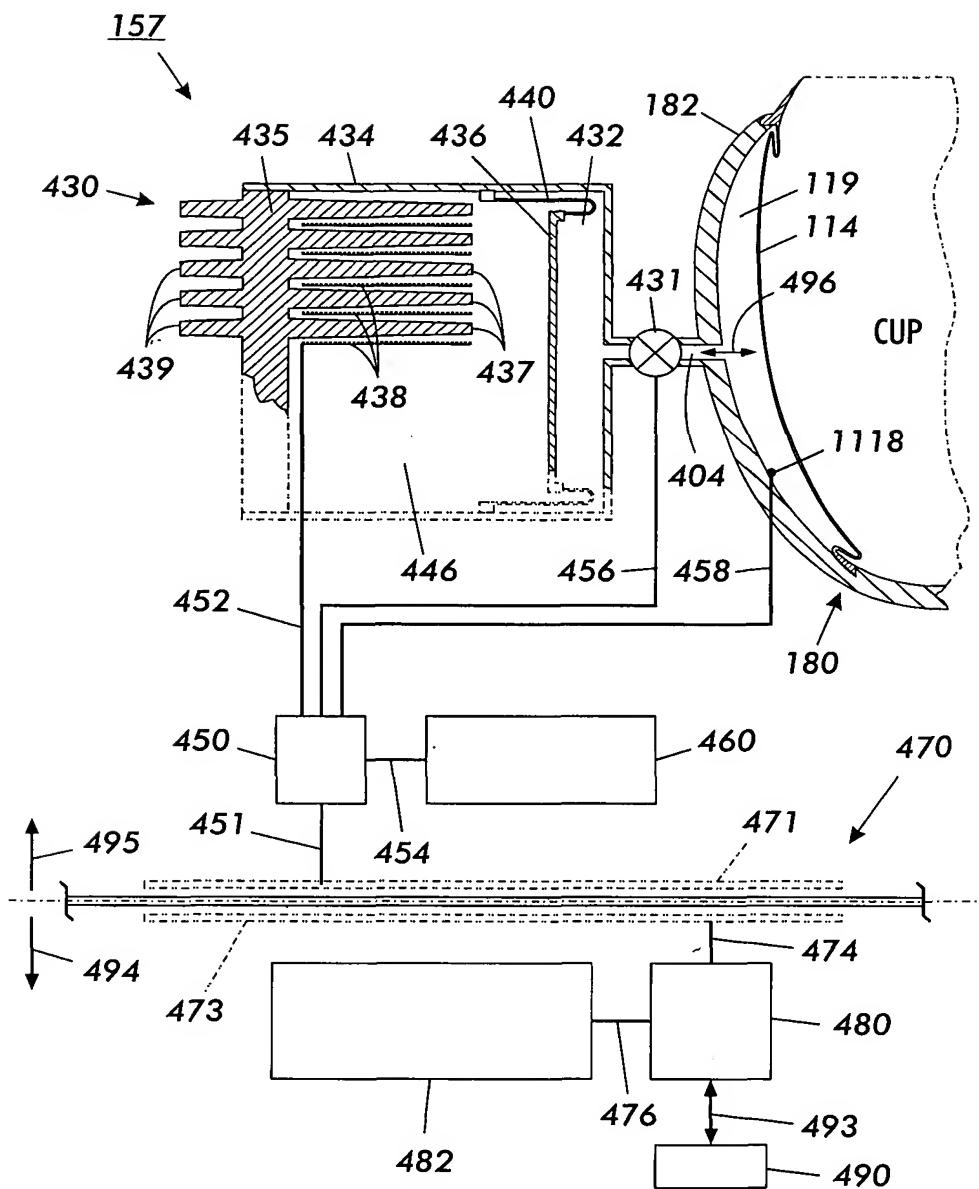


FIG. 29